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Electrics

2010/11



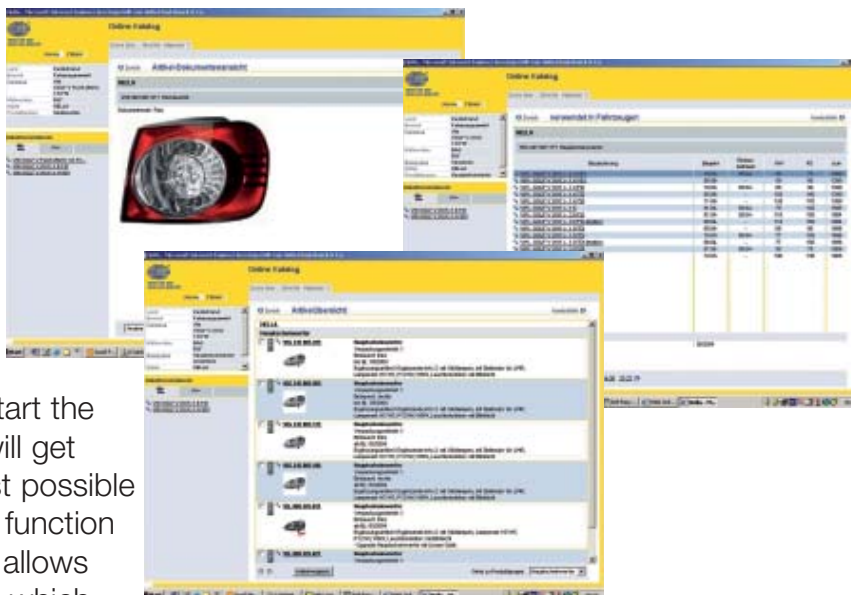
*Ideas today for
the cars of tomorrow*

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No matter where you are when you start the product enquiry: the search system will get you to the right answer in the quickest possible way. The vehicle-independent search function has to be emphasised in particular. It allows you to research very quickly products which are for universal use.

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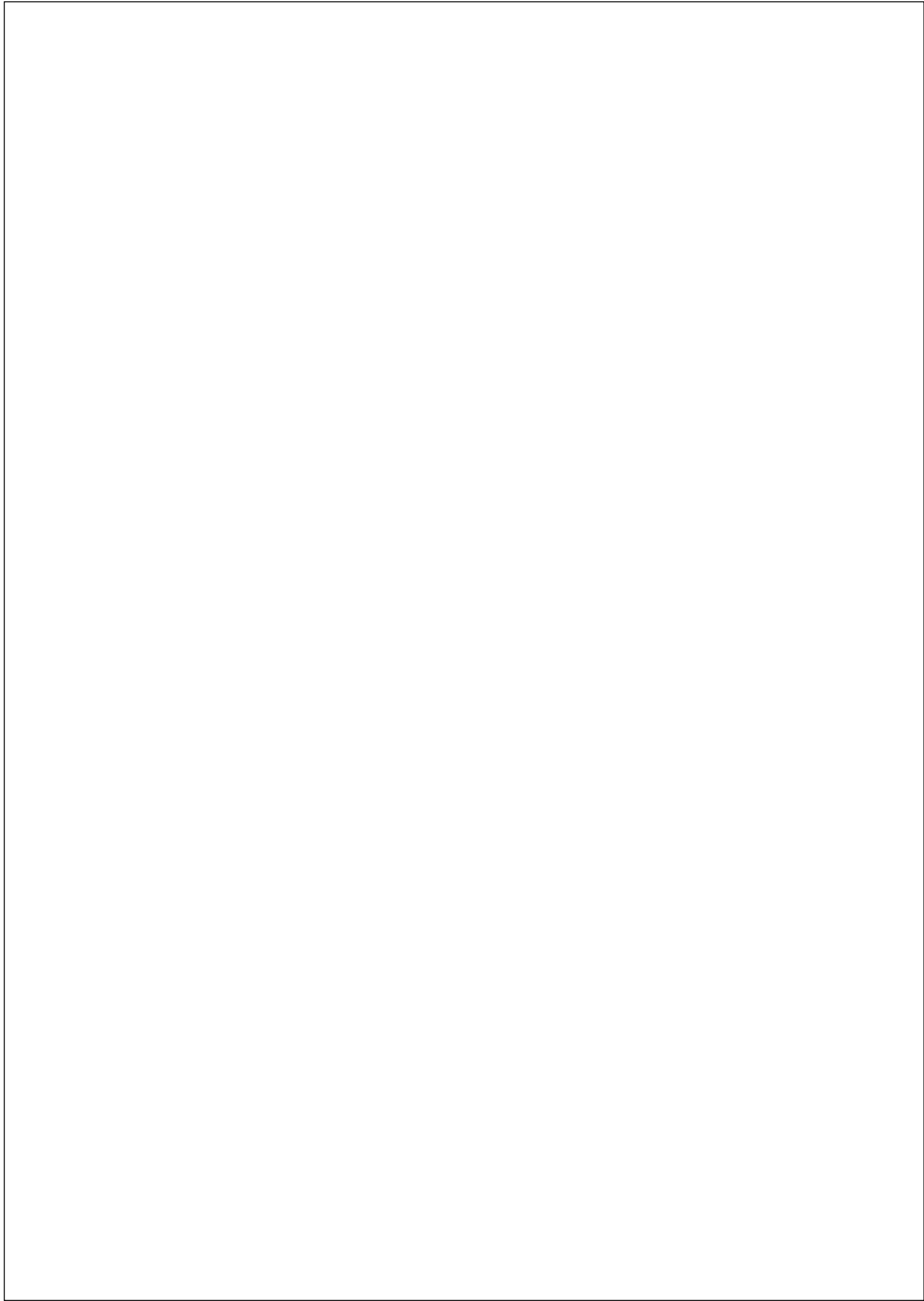
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Flasher Units, Voltage Transformers, Trailer Connecting Units, Control Units



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Flasher units

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Flasher units

Alfa Romeo - Citroën



1

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Alfa Romeo				BMW			
145 (930)	07/94->01/01	4DB 006 716-041 7-pin	1	3 (E21)	09/79->04/84	4DB 003 750-711 3-pin	1
146 (930)	12/94->01/01			3 (E30)	01/83->12/93	4DM 003 360-021 4-pin, with bracket	1
155 (167)	01/92->12/97	4DB 003 750-711 3-pin	1			4DM 005 698-021 5-pin, with bracket **)	1
156 (932)	09/97->02	4DM 003 360-021 4-pin, with bracket	1	3 (E36)	12/90->	4DB 006 716-041 7-pin	1
		4DM 005 698-021 5-pin, with bracket **)	1	5 (E28)	04/81->12/87	4DB 003 750-711 3-pin	1
164 (164)	01/87->09/98	4DB 007 218-001 4-pin	1			4DM 003 360-021 4-pin, with bracket	1
		4DM 003 460-021 5-pin, with bracket	1			4DM 005 698-021 5-pin, with bracket **)	1
		4DM 005 698-031 6-pin, with bracket **)	1	5 (E34)	01/88->03/97	4DB 006 716-041 7-pin	1
Audi				6 (E24)	05/82->05/89	4DB 003 750-711 3-pin	1
A6 (4A, C4)	06/94->12/97	4DB 003 750-711 3-pin	1	7 (E23)	09/81->08/86	4DM 003 360-021 4-pin, with bracket	1
A8 (4D2, 4D8)	03/94->09/02	4DM 003 360-021 4-pin, with bracket	1			4DM 005 698-021 5-pin, with bracket **)	1
Convertible (8G7, B4)	05/91->08/00	4DB 003 750-711 3-pin without bracket	1	7 (E32)	09/86->09/94	4DB 006 716-041 7-pin	1
Coupé (81/85/89/8B)	07/80->12/96	4DB 003 750-721 3-pin with bracket	1	8 (E31)	04/90->06/99	4DB 006 716-041 7-pin	1
V8 (44_, 4C_)	10/88->02/94	4DB 003 750-711 3-pin	1	Citroën			
80 (80/82/B1/89/89Q/ 8A/B3/8C/B4)	05/72->12/96	4DM 003 360-021 4-pin, with bracket	1	AX	09/86->05/91	4DB 007 218-001 4-pin	1
90 (81/85/B2/89/89Q/ 8A/B3)	10/84->09/91	4DM 005 698-021 5-pin, with bracket **)	1			4DM 005 698-031 6-pin, with bracket **)	1
100 (C1/43/C2/44/44Q/ C3/4A/C4)	08/70->07/94			AX	06/91->	4DB 003 750-711 3-pin	1
200 (43/44/44Q)	10/79->12/91					4DM 003 360-021 4-pin, with bracket	1
BMW				BX	01/87->	4DB 007 218-001 4-pin	1
Motor cycles R45	06/78->07/85	4DB 003 750-711	1			4DM 005 698-031 6-pin, with bracket **)	1
R65	06/78->12/85						
M3 (E36)	01/94->	4DB 006 716-041 7-pin	1				
M5 (E34)	01/88->12/95						
Z3	10/95->01/03	4DB 006 716-041 7-pin	1				

*) connection on top **) C2 and 31 connection on top



Flasher units

Citroën - Fiat



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Citroën				Fiat			
Xantia	03/93->	4DB 003 750-711 3-pin	1	Fiorino (146)	91->93	4DB 007 218-001 4-pin	1
XM	05/89->	4DM 003 360-021 4-pin, with bracket	1			4DM 003 460-021 5-pin, with bracket	1
ZX	10/91->					4DM 005 698-031 6-pin, with bracket **)	1
Daihatsu				Fiorino (146)	93->05/01	4DB 003 750-711 3-pin	1
Applause	89->	4DM 003 360-021 4-pin, with bracket	1	Marea (185)	09/96->02	4DM 003 360-021 4-pin, with bracket	1
Charade	07/81->			Mille	94->97		
Charmant	07/82->			Multipla (186)	04/99->	4DM 005 698-021 5-pin, with bracket **)	1
Cuore	01/81->			Palio (178)	04/96->02		
Fiat				Panda (141)	85->07/04	4DB 007 218-001 4-pin	1
Barchetta (183)	03/95->	4DB 003 750-711 3-pin	1			4DM 003 460-021 5-pin, with bracket	1
Brava (182)	10/95->10/01	4DM 003 360-021 4-pin, with bracket	1			4DM 005 698-031 6-pin, with bracket **)	1
Bravo (182)	10/95->10/01	4DM 005 698-021 5-pin, with bracket **)	1	Punto (176)	09/93->09/99	4DB 003 750-711 3-pin	1
Cinquecento (170)	07/91->07/99	4DB 007 218-001 4-pin	1	Punto Convertible (176C)	97->06/00	4DM 003 360-021 4-pin, with bracket	1
		4DM 003 460-021 5-pin, with bracket	1	Seicento (187)	01/98->		
		4DM 005 698-031 6-pin, with bracket **)	1	Siena	04/96->	4DM 005 698-021 5-pin, with bracket **)	1
Croma (154)	90->96	4DB 003 750-711 3-pin	1	Strada (178E)	06/99->		
		4DM 003 360-021 4-pin, with bracket	1	Tempra (159)	03/90->08/97		
		4DM 005 698-021 5-pin, with bracket **)	1	Tipo (160)	07/87->04/95		
Duna (146B)	01/87->12/91	4DB 007 218-001 4-pin	1	Uno CS (146A7)	88->90	4DB 007 218-001 4-pin	1
Elba	01/91->94	4DM 003 460-021 5-pin, with bracket	1			4DM 003 460-021 5-pin, with bracket	1
		4DM 005 698-031 6-pin, with bracket **)	1			4DM 005 698-031 6-pin, with bracket **)	1
Elba	94->12/96	4DB 003 750-711 3-pin	1	Uno (146E)	89->95	4DB 003 750-711 3-pin	1
		4DM 003 360-021 4-pin, with bracket	1	Uno Mondo	95->	4DM 003 360-021 4-pin, with bracket	1
		4DM 005 698-021 5-pin, with bracket **)	1			4DM 005 698-021 5-pin, with bracket **)	1

*) connection on top **) C2 and 31 connection on top



Flasher units

Fiat - Lancia



1

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.				
Fiat				Honda							
Ducato (290)	03/89->03/94	4DB 007 218-001 4-pin	1	Concerto	04/90->	4DB 003 750-711 3-pin	1				
		4DM 003 460-021 5-pin, with bracket	1	CRX	09/83->08/87	4DM 003 360-021 4-pin, with bracket	1				
		4DM 005 698-031 6-pin, with bracket **)	1	Legend		4DB 003 750-711 3-pin	1				
Ducato (230)	03/94->04/02	4DB 003 750-711 3-pin	1			4DM 003 360-021 4-pin, with bracket	1				
		4DM 003 360-021 4-pin, with bracket	1			4DM 005 698-021 5-pin, with bracket **)	1				
		4DM 005 698-021 5-pin, with bracket **)	1	Lada							
Talento (290)	03/89->03/94	4DB 007 218-001 4-pin	1	Forma	09/91->	4DB 003 750-711 3-pin	1				
		4DM 003 460-021 5-pin, with bracket	1	Samara	01/86->	4DM 003 360-021 4-pin, with bracket	1				
		4DM 005 698-031 6-pin, with bracket **)	1			4DM 005 698-021 5-pin, with bracket **)	1				
Ford						1200 - 1600	09/70->08/79	4DB 003 425-041 4-pin	1		
								4DM 003 460-021 5-pin, with bracket	1	Lancia	
Capri III	01/78->04/87	4DB 003 750-711 3-pin without bracket	1	Dedra (835)	01/89->07/99	4DB 003 750-711 3-pin	1				
Cougar (EC_)	08/98->12/01	4DB 003 750-721 3-pin, with bracket	1			4DM 003 360-021 4-pin, with bracket	1				
Escort	01/75->09/01					4DM 005 698-021 5-pin, with bracket **)	1				
Fiesta	05/76->01/02					4DB 007 218-001 4-pin	1				
Granada	04/85->11/94	4DM 003 360-021 4-pin, with bracket	1								
Ka (RB_)	09/96->	4DM 005 698-021 5-pin, with bracket **)	1								
Maverick	02/93->04/98	4DB 003 750-711 3-pin	1	Delta I (831AB0)	86->01/94	4DM 003 460-021 5-pin, with bracket	1				
Merkur	10/84->02/93					4DM 005 698-021 5-pin, with bracket **)	1				
Mondeo	01/93->11/00					4DM 005 698-021 5-pin, with bracket **)	1				
Orion	07/83->12/93	4DB 003 750-711 3-pin	1	Delta II (836)	06/93->08/99	4DB 003 750-711 3-pin	1				
Puma	03/97->06/02					4DM 003 360-021 4-pin, with bracket	1				
P 100 II	10/87->12/92					4DM 005 698-031 6-pin, with bracket **)	1				
Scorpio	04/85->08/98	4DB 003 750-711 3-pin	1	Lybra (839)	07/99->	4DM 003 360-021 4-pin, with bracket	1				
Sierra	08/82->02/93					4DM 005 698-021 5-pin, with bracket **)	1				
Street Ka	05/03->07/05					4DM 005 698-021 5-pin, with bracket **)	1				
Tourneo	06/94->07/00	4DB 003 750-711 3-pin	1	Y (840A)	11/95->03	4DM 003 360-021 4-pin, with bracket	1				
Transit	09/69->07/00					4DM 005 698-021 5-pin, with bracket **)	1				
Honda											
Accord	05/77->	4DM 003 360-021 4-pin, with bracket	1								
Civic	01/80->										

*) connection on top **) C2 and 31 connection on top



Flasher units

Lancia - Nissan



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Lancia				Mitsubishi			
Y10 (156)	88->12/95	4DB 007 218-001 4-pin	1	Colt	01/79->	4DM 003 360-021 4-pin, with bracket	1
		4DM 003 460-021 5-pin, with bracket	1	Eclipse	01/92->		
		4DM 005 698-031 6-pin, with bracket **)	1	Galant	05/77->		
			Lancer	08/77->			
			Pajero	12/82->			
Mazda				Sapporo	05/78->10/83	4DM 003 360-021 4-pin, with bracket	1
RX-7	01/86->	4DB 003 750-711 3-pin without bracket	1	Sigma	02/91->		
121	11/90->	4DB 003 750-721 3-pin, with bracket	1	Space Runner	02/92->		
323	01/77->			Space Wagon	83->		
626	03/79->						
929	78->	4DM 003 360-021 4-pin, with bracket	1	L 300 (P00W/P20W)	11/86->	4DM 003 360-021 4-pin, with bracket	1
				Nissan			
Mercedes-Benz				Bluebird	05/80->	4DM 003 360-021 4-pin, with bracket	1
200 - 300 (W 123)	09/81->12/85	4DB 004 225-002 3-pin	1	Cherry	10/78->12/86		
				Maxima	89->	4DB 003 750-721 3-pin	1
				Micra	83->		
230 G - 300 GD (W 460)	05/79->03/90	4DM 003 360-021 4-pin, with bracket	1				
230 GE - 350 GD (W 461, W 463)	04/90->08/92	4DM 005 698-021 5-pin, with bracket **)	1	Patrol	01/79->	4DM 003 360-021 4-pin, with bracket	1
					Prairie		
				Sunny	05/82->		
280 S - 450 SEL (W 116)	10/72->12/79	4DB 004 225-002 3-pin	1	Terrano (WD 21)	08/87->	4DB 003 750-721 3-pin	1
280 SE - 500 SEL (W 126)	01/80->08/85	4DM 003 640-051 4-pin, with bracket	1				
MB 100	09/87->01/96	4DM 003 360-021 4-pin, with bracket	1	100 NX	03/91->	4DB 003 750-721 3-pin	1
O 309	01/70->02/89						
207 D - 210 (T1, TN-series)		4DM 005 698-021 5-pin, with bracket **)	1				
207 D	05/77->01/89						
208 D	05/77->06/95						
210	08/82->06/95						
Mitsubishi							
Carisma	07/95->	4DB 003 750-391 3-pin	1				

*) connection on top **) C2 and 31 connection on top



Flasher units
Nissan - Porsche



1

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Nissan				Peugeot			
Vanette		4DB 003 750-721 12V 2x21W+5W 3-pin	1	306	05/93->	4DB 003 750-711 3-pin	1
		4DM 003 360-021 12V 2+1x21W +5W 4-pin, with trailer	1			4DM 003 360-021 4-pin, with bracket	1
Opel							
Ascona C	09/81->09/88	4DB 003 750-711 3-pin	1	309	10/85->12/93	4DB 007 218-001 4-pin	1
Astra F	09/91->02	4DM 003 360-021 4-pin, with bracket	1			4DM 005 698-031 6-pin, with bracket **)	1
Calibra	06/90->07/97	4DM 005 698-021 5-pin, with bracket **)	1	605	06/89->09/99	4DB 003 750-711 3-pin	1
Combo	09/94->10/01					4DM 003 360-021 4-pin, with bracket	1
Corsa A	03/83->02/93					4DM 005 698-021 5-pin, with bracket **)	1
Corsa B	03/93->02	4DM 003 360-021 4-pin, with bracket	1				
Frontera	09/91->	4DB 003 750-721 3-pin	1	Porsche			
		4DM 003 360-021 4-pin, with bracket	1	911	07/68->	4DB 001 887-041 4-pin	1
Kadett E	10/84->08/91	4DB 003 750-711 3-pin	1	924	01/76->07/88	4DB 003 750-711 3-pin	1
Manta B	08/75->07/88	4DM 003 360-021 4-pin, with bracket	1			4DM 003 360-021 4-pin, with bracket	1
Monza A	05/78->08/87	4DM 005 698-021 5-pin, with bracket **)	1			4DM 005 698-021 5-pin, with bracket **)	1
Omega A	10/86->02/94			4DB 001 887-041 4-pin	1		
Omega B	03/94->	4DB 003 750-711 3-pin	1				
Rekord E	09/77->09/86			4DM 003 360-021 4-pin, with bracket	1		
Senator A	05/78->08/87	4DM 005 698-021 5-pin, with bracket **)	1				
Senator B	09/87->08/93			4DB 003 750-711 3-pin	1		
Sintra	11/96->04/99	4DM 003 360-021 4-pin, with bracket	1				
Tigra	07/94->12/00			4DM 005 698-021 5-pin, with bracket **)	1		
Vectra A	10/88->09/95	4DB 001 887-041 4-pin	1				
Peugeot				944	07/81->05/91	4DB 003 750-711 3-pin	1
106	09/91->	4DB 003 750-711 3-pin	1			4DM 003 360-021 4-pin, with bracket	1
		4DM 003 360-021 4-pin, with bracket	1			4DM 005 698-021 5-pin, with bracket **)	1
		4DM 005 698-021 5-pin, with bracket **)	1			968	06/91->11/95
205	02/83->09/98	4DB 007 218-001 4-pin	1	4DM 003 360-021 4-pin, with bracket	1		
		4DM 005 698-031 6-pln, with bracket **)	1				

*) connection on top **) C2 and 31 connection on top



Flasher units

Puch - Seat



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Puch				Saab			
G 230 - G 350 TD (G-Class, W 461, W 463)	06/93->	4DM 003 360-021 4-pin, with bracket	1	90	08/84->07/87	4DB 001 887-041 4-pin	1
230 G - 300 GD (W 460)	05/79->03/90	4DM 005 698-021 5-pin, with bracket **)	1	900	10/78->08/93	4DB 003 750-711 3-pin	1
230 GE - 350 GD (W 461, W 463)	04/90->05/93			9000	05/85->08/91	4DM 003 360-021 4-pin, with bracket	1
Renault						4DM 005 698-021 5-pin, with bracket **)	1
Clio	01/91->	4DB 007 218-001 4-pin	1	9000	09/91->	4DB 006 716-041 7-pin	1
Espace	07/84->	4DM 005 698-031 6-pin, with bracket **)	1	Seat			
Laguna	04/93->	4DB 007 218-001 4-pin	1	Cordoba	01/94->	4DB 003 750-711 3-pin	1
Rapid (F 40)	03/86->	4DM 003 460-021 5-pin, with bracket	1			4DM 003 360-021 4-pin, with bracket	1
Twingo	06/93->	4DM 005 698-031 6-pin, with bracket **)	1			4DM 005 698-021 5-pin, with bracket **)	1
4/5/6	01/80->			Ibiza I	06/84->08/83	4DB 007 218-001 4-pin	1
9	09/81->12/89					4DM 005 698-031 6-pin, with bracket **)	1
11	03/83->07/89			Ibiza II	09/93->	4DB 003 750-711 3-pin	1
18	01/80->07/86					4DM 003 360-021 4-pin, with bracket	1
19	01/88->06/96					4DM 005 698-021 5-pin, with bracket **)	1
21	03/86->08/94			Malaga	05/85->	4DB 007 218-001 4-pin	1
21	04/84->12/93			Marbella	01/86->	4DM 005 698-031 6-pin, with bracket **)	1
Rover				Toledo I	09/91->02/99	4DB 003 750-711 3-pin	1
Maestro	08/83->	4DB 003 750-711 3-pin	1			4DM 003 360-021 4-pin, with bracket	1
Metro	03/81->	4DM 003 360-021 4-pin, with bracket	1			4DM 005 698-021 5-pin, with bracket **)	1
Mini Mk II	01/80->12/83						
Montego	01/84->	4DM 005 698-021 5-pin, with bracket **)	1				
100	01/91->	4DB 003 750-711 3-pin	1				
		4DM 003 360-021 4-pin, with bracket	1				
200		4DM 003 360-021 4-pin, with bracket	1				
213 - 216	03/85->	4DB 003 750-711 3-pin	1				
414, 416, 418		4DM 003 360-021 4-pin, with bracket	1				
600		4DM 005 698-021 5-pin, with bracket **)	1				
800	08/88->						
820 - 825i	01/80->						
2000 - 3500							

*) connection on top **) C2 and 31 connection on top



Flasher units

Skoda - Vauxhall



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Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Skoda				Toyota			
Favorit	88->	4DB 003 750-711 3-pin	1	Celica	09/80->	4DB 003 750-711 3-pin	1
Felicia	01/95->	4DM 003 360-021 4-pin, with bracket	1	Corolla	06/79->	without bracket	
Forman	09/91->	4DM 005 698-021 5-pin, with bracket **)	1	Land Cruiser	08/80->	4DB 003 750-721 3-pin, with bracket	1
105				Lexus	90->		
Subaru				MR2	86->	4DM 003 360-021 4-pin, with bracket	1
Coupé	01/85->	4DB 003 750-711 3-pin without bracket	1	Previa	10/90->		
Impreza				Starlet	04/78->	4DM 005 698-021 5-pin, with bracket **)	1
Justy	10/84->	4DB 003 750-721 3-pin, with bracket	1	Supra	86->		
Legacy	01/89->			Tercel	06/79->11/87		
Sedan, Station, Super-Station 1800	01/85->	4DM 003 360-021 4-pin, with bracket	1	4 Runner			
1800 II	11/84->12/90	4DM 005 698-021 5-pin, with bracket **)	1	Vauxhall			
Suzuki				Astra Mk II	09/84->08/93	4DB 003 750-711 3-pin without bracket	1
Alto	06/82->	4DB 003 750-711 3-pin without bracket	1	Astra Mk III	09/91->03/01		
SJ Samurai	10/80->			Calibra	06/90->07/97	4DB 003 750-721 3-pin, with bracket	1
SJ 413	11/84->	4DB 003 750-721 3-pin, with bracket	1	Carlton Mk III	09/86->03/94		
Swift	12/83->			Cavalier Mk II	09/81->08/88	4DM 003 360-021 4-pin, with bracket	1
Vitara	10/88->	4DM 003 360-021 4-pin, with bracket	1	Cavalier Mk III	09/88->11/95		
		4DM 005 698-021 5-pin, with bracket **)	1	Combo	07/94->10/01	4DM 005 698-021 5-pin, with bracket **)	1
Toyota				Corsa	03/93->09/00		
Carina	09/80->11/87	4DB 003 750-711 3-pin without bracket	1	Nova	09/82->03/93		
Carina II	12/87->04/92	4DB 003 750-721 3-pin, with bracket	1	Omega	12/93->07/03		
		4DM 003 360-021 4-pin, with bracket	1	Royale	02/78->08/87		
		4DM 005 698-021 5-pin, with bracket **)	1	Senator	02/78->08/87		
				Senator Mk II	09/87->09/93		
				Sintra	09/96->04/99		
				Tigra	07/94->02		

*) connection on top **) C2 and 31 connection on top



Flasher units

Volkswagen - Volvo



Manufacturer Model	Model year	Part no.	Pk.
Volkswagen			
Caddy I	08/82->07/92	4DB 003 750-711 3-pin	1
Caddy II	11/95->	without bracket	
Corrado	09/88->12/95	4DB 003 750-721 3-pin,	1
Derby	02/77->00	with bracket	
Golf I, II, III	07/74->98	4DM 003 360-021 4-pin,	1
Golf Convertible	01/79->02	with bracket	
Jetta I, II	09/79->12/91	4DM 005 698-021 5-pin,	1
Passat	05/73->97	with bracket **)	
Polo I, II, III	03/75->00		
Scirocco	05/74->09/92		
Sharan	05/95->00		
Vento	01/92->10/98		
1200 (Beetle)	08/73->12/85		
1300 - 1303 (Beetle)	08/70->		
LT I	04/75->06/96		
Transporter (T2)	08/70->06/79		
Transporter (T3)	07/79->12/92		
Transporter (T4)	09/90->		
Volvo			
S40 I (VS)	07/95->12/03	4DB 003 750-391 3-pin	1
V40 I (VW)	07/95->		
242, 244, 245, 264, 265	08/74->		
343, 345, 360	06/76->		
440	09/88->	4DM 003 360-021 4-pin,	1
		with bracket	
740, 745, 760	04/83->	4DB 003 750-391 3-pin	1
940	08/90->		

*) connection on top **) C2 and 31 connection on top



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Flasher Units

Delta Plan - Mercedes-Benz



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Delta Plan				Kutter			
various models		4AZ 003 787-021 24V 10-200W 4-pin	1	various models		4AZ 003 787-021 24V 10-200W 4-pin	1
Iveco Ford				Lahden Autokori			
Cargo	05/81->	4DB 003 750-711 12V 2x21W+5W 3-pin	1	various models		4AZ 003 787-021 24V 10-200W 4-pin	1
		4DM 003 360-021 12V 2+1x21W +5W 4-pin	1			4DM 003 474-001 24V 2+1x21W +5W 5-pin	1
		4DM 005 698-021 12V 2+1x21W +5W 5-pin **)	1	Mercedes-Benz			
		4DM 004 639-021 24V 2+1x21W +5W 4-pin	1	L 405 D - L 911 (T2/L)	->07/75	4DM 001 863-081 12V 2+1x21W 6-pin	1
Iveco-Magirus				L 405 D - L 911 (T2/L)	08/75->12/88	4DM 003 390-011 12V 2+1x21W +5W 4-pin	1
M 2000	09/79->	4DM 002 834-001 24V 2+1x21W 11-pin	1	L 405 D - L 911 (T2/L)	09/82->12/88	4DB 003 675-001 24V 2x21W+5W 3-pin	1
75-9 A - 160 M13 (MK)	09/75->	4DM 001 863-081 12V 2+1x21W 6-pin	1			4DM 003 390-031 24V 2+1x21W +5W 4-pin	1
		4DM 002 834-001 24V 2+1x21W 11-pin	1	L 710 - L 1819 (Cab-behind-engine vehicles)	68->	4DM 001 863-081 12V 2+1x21W 6-pin	1
120-13 - 330-30 (P/PA)	01/83->	4DM 002 834-001 24V 2+1x21W 11-pin	1	LP 608 - LP 913 (LP)	->07/75	4DM 001 863-081 12V 2+1x21W 6-pin	1
130 D 12 - 310 D 26 (P/PA)	01/71->12/82			LP 608 - LP 913 (LP)	08/75->10/77	4DM 003 390-011 12V 2+1x21W +5W 4-pin	1
130 D 9 FL - 340 D 22 FL (Forward-control vehicles)	05/73->	4DM 003 944-041 24V 2+1x21W +5W 6-pin	1	LP 709 - LP 1113 (LP)	11/77->07/85		
180-24 - 240-38, 256 M - 320 M (T)	05/78->	4DW 002 834-101 24V 3+1x21W 11-pin	1	LP 1113 - LP 1519	67->	4DM 001 863-081 12V 2+1x21W 6-pin	1
Kässbohrer				O 302	11/64->11/75	4DM 003 944-041 24V 2+1x21W +5W 6-pin	1
Setra S 80 - S 150	09/72->09/76	4DM 003 944-041 24V 2+1x21W +5W 6-pin	1	O 305 VÖV	04/73->12/83		
Setra S 200	10/76->11/84			O 309, O 309 D	01/70->07/75	4DM 001 863-081 12V 2+1x21W 6-pin	1
Setra S 200	12/84->	4DM 004 639-061 24V 2+1x21W +5W 4-pin	1	O 309, O 309 D	08/75->12/88	4DM 003 390-011 12V 2+1x21W +5W 4-pin	1
Setra S 300	09/91->	4JA 005 355-001 Trailer connector unit 24V, 8-pin	1				

*) C2 connection on top **) C2 and 31 connection on top



Flasher Units

Mercedes-Benz - Volvo



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Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Mercedes-Benz				Renault Trucks			
O 309, O 309 D	09/82->12/88	4DB 003 675-001 24V 2x21W+5W 3-pin	1	Trucks	07/91->	4DM 003 944-041 24V 2+1x21W +5W 6-pin	1
		4DM 003 390-031 24V 2+1x21W +5W 4-pin	1				
507 D - 814 D (T2/LN1)	01/86->	4DM 003 390-011 12V 2+1x21W +5W 4-pin	1	Scania			
		4DW 003 390-051 12V 3+1x21W 4-pin (supplies limited)	1	G 82 - T 142	07/80->12/87	4DJ 003 767-001 24V 1+3+3x21W 13-pin	1
		4DM 003 390-031 24V 2+1x21W +5W 4-pin	1	G 83 - T 143	01/88->		
		4DW 004 513-001 24V 3+1x21W 4-pin	1	P 94 - R 144	01/96->	4DN 007 431-021 24V 2+1+1x21W 16-pin	1
		4DW 002 834-111 12V 3+1x21W 11-pin	1	Steyr			
		4DW 002 834-121 24V 3+1x21W 11-pin	1	6 S - 17 S	01/86->	4DM 003 944-027 24V 2+1x21W +5W 6-pin	126
709 - 1524 (LK/LN2)	03/84->	4DM 003 390-031 24V 2+1x21W +5W 4-pin	1	19 S - 40 S	10/87->	4DW 003 944-051 24V 3+1x21W 6-pin	1
		4DW 002 834-121 24V 3+1x21W 11-pin	1	590 - 1490	09/73->	4DM 003 474-001 24V 2+1x21W +5W 5-pin	1
1013 - 3850 (New generation)	08/73->08/88	4DW 002 834-111 12V 3+1x21W 11-pin	1	791 - 1491	04/78->09/87	4DM 003 944-027 24V 2+1x21W +5W 6-pin	126
		4DW 002 834-121 24V 3+1x21W 11-pin	1			4DW 003 944-051 24V 3+1x21W 6-pin	1
Neoplan				Volvo			
Cityliner - Spaceliner	04/79->	4DM 003 474-001 24V 2+1x21W +5W 5-pin	1	F 6	71->09/85	4DB 003 425-041 12V 2x21W+5W 4-pin	1
		4DW 003 944-051 24V 3+1x21W 6-pin	1	F 7	08/78->10/85	4DM 003 944-041 24V 2+1x21W +5W 6-pin	1
SL II N 416, Ü 80 N 420/3	82->	4DW 003 944-051 24V 3+1x21W 6-pin	1	F 10, F 12	08/77->	4DW 003 944-051 24V 3+1x21W 6-pin	1
				F 10	01/82->12/94	4DM 006 475-051 24V 2+1x21W +5W 6-pin	1
Renault Trucks				F 12	01/77->12/94		
Midliner	02/94->01/00	4DM 006 475-021 24V 2+1x21W 6-pin	1	F 16	10/87->12/94		
				FL 611	09/85->11/94	4DN 004 589-031 24V 2+1+1x21W 13-pin	1

*) C2 connection on top **) C2 and 31 connection on top



*) C2 connection on top **) C2 and 31 connection on top



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Flasher Units

Case International - Deutz-Fahr



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Case International				John Deere			
D 215 - D 514		4DN 008 768-051 12V 2+1+1x18W 6-pin	1	Z-2054 - Z-2066	01/94->	4DM 003 360-021 12V 2+1x21W 4-pin	1
Maxxum 5120, 5130, 5140	11/89->	4DN 008 768-021 12V 2+1+1x21W 6-pin	1			4DM 005 698-021 12V 2+1x21W 5-pin **)	1
433 - 856		4DN 008 768-021 12V 2+1+1x21W 6-pin	1			4DN 008 768-021 12V 2+1+1x21W 6-pin	1
521, 525, 527		4DW 003 944-051 24V 3+1x21W 6-pin	1	820 - 4020		4DN 008 768-051 12V 2+1+1x18W 6-pin	1
743 XL - 1455 XL		4DN 008 768-001 12V 2+1+1x21W 6-pin	1	840 - 4240	09/79->	4DN 008 768-041 12V 2+1+1x21W 6-pin	1
Case Poclain				6100 - 6400	07/92->	4DM 003 360-021 12V 2+1x21W 4-pin	1
U 1776, U 7774		4DN 008 768-051 12V 2+1+1x18W 6-pin	1			4DM 005 698-021 12V 2+1x21W 5-pin **)	1
770 GAS, 880 GES, 990 GAS				6610 - 6910	01/93->	4DM 003 360-021 12V 2+1x21W 4-pin	1
1190, 1290, 1390, 1490, 1690						4DM 005 698-021 12V 2+1x21W 5-pin **)	1
Claas						4DN 008 768-021 12V 2+1+1x21W 6-pin	1
Classic 78 - 108 SL		4DM 003 360-021 12V 2+1x21W 4-pin	1	Deutz-Fahr			
Commandor 112 - 228 CS	10/85->			D 2505 - D 8005		4DN 008 768-051 12V 2+1+1x18W 6-pin	1
Dominator 38 - 118 SL Maxi				D 2506 - D 13006	->07/73		
Jaguar 675 - 695	01/89->12/94			D 2506 - D 13006	08/73->	4DN 008 768-031 12V 2+1+1x21W 6-pin	1
Jaguar 820 - 880	01/94->			D 2807 - D 7807 C	05/80->12/90		
Lexion 405 - 460	96->			DX 3.10 - DX 3.90	01/91->12/96	4DN 008 768-031 12V 2+1+1x21W 6-pin	1
Lexion 2004	04/04->			DX 3.30 V - DX 3.90 F			
Maxi 88 SL, 98 SL, 108 SL				DX 4.30 - DX 6.50	83->		
Mega 208, 218				DX 4.17 - DX 6.61	01/91->		
Unitrac	10/83->			DX 7.10, DX 8.30	05/84->10/88		
John Deere				DX 36V - DX 55V	05/78->		
MD 330 - MD 970	->07/74	4DB 001 887-041 12V 2x21W 4-pin	1	DX 85 - DX 230	08/77->		
MD 925 - MD 975	08/74->10/82						
MD 1032 - MD 1068 H	05/84->04/85						
MD 1072 - MD 1085	->12/83						
MD 1072 - MD 1085	01/84->	4DM 003 360-021 12V 2+1x21W 4-pin	1				
MD 1133 - MD 1166 HA	08/87->						
MD 1174 - MD 1188 H 4	01/87->	4DM 005 698-021 12V 2+1x21W 5-pin **)	1				

*) C2 connection on top **) C2 and 31 connection on top



Flasher Units

Deutz-Fahr - Renault



1

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.		
Deutz-Fahr				Hako					
Intrac 2004, 2006	09/74->12/79	4DN 008 768-031 12V 2+1+1x21W 6-pin	1	Variotrac 1850 V, 2150 D		4DM 003 360-021 12V 2+1x21W 4-pin	1		
M 660 - M 2780									
Powerliner 4030	92->12/96								
Powerpress 120 H	01/94->12/96								
Starliner 4040, 4045 H	91->12/96								
Topliner 4060 - 4090 H	91->12/96								
Dexheimer				Holder					
AL 222 SC - AL 370 SC	01/88->	4DN 008 768-001 12V 2+1+1x21W 6-pin	1	A 14 - B 25		->06/76	4DN 008 768-051 12V 2+1+1x18W 6-pin	1	
				A 14 - B 25		07/76->	4DN 008 768-021 12V 2+1+1x21W 6-pin	1	
				Park 30, 70			4DN 008 768-021 12V 2+1+1x21W 6-pin	1	
Fendt				Krieger					
Farmer 200 V - 205 P	->01/88	4DN 008 768-031 12V 2+1+1x21W 6-pin	1	KS 28 - KS 65 A		02/86->	4DN 008 768-051 12V 2+1+1x18W 6-pin	1	
Farmer 250 V - 280 P	02/88->	4DN 008 768-031 12V 2+1+1x21W 6-pin	1	KT 52 A, KT 60 A		01/89->			
Fiat Geotech				Landini					
various models		4DN 008 768-001 12V 2+1+1x21W 6-pin, without bracket	1	various models			4DN 008 768-021 12V 2+1+1x21W 6-pin	1	
		4DN 008 768-017 12V 2+1+1x21W 6-pin, with bracket	99	Massey-Ferguson					
Ford				MB 506, MB 507			4DN 008 768-021 12V 2+1+1x21W 6-pin	1	
Dexter 2000 - Super Major 5000		04/68->03/70	4DN 008 768-051 12V 2+1+1x18W 6-pin	1	MF 203, MF 205		4DN 008 768-051 12V 2+1+1x18W 6-pin	1	
Dexter 2000 - Super Major 5000		03/70->	4DN 008 768-041 12V 2+1+1x21W 6-pin	1	MF 3000 - MF 3090		07/86->	4DN 008 768-001 12V 2+1+1x21W 6-pin	1
				235 - 595			4DN 008 768-021 12V 2+1+1x21W 6-pin	1	
Gutbrod				Multicar					
Superior 2350 DS - 4350			4DM 003 360-021 12V 2+1x21W 4-pin	1	Multicar		07/92->	4DW 003 390-051 12V 3+1x21W 4-pin	1
			4DM 005 698-021 12V 2+1x21W 5-pin **)	1					
Hako				Renault					
Mobil 4800 D, 6000 D			4DM 003 360-021 12V 2+1x21W 4-pin	1	ET 18 - ET 37		4DM 003 460-021 12V 2+1x21W 5-pin	1	
Trac 1400 - Trac 4100			4DM 003 360-021 12V 2+1x21W 4-pin	1	R 7921 - R 7942		4DN 008 768-021 12V 2+1+1x21W 6-pin	1	

*) C2 connection on top **) C2 and 31 connection on top



Flasher Units

Schanzlin - VME



Manufacturer Model	Model year	Part no.	Pk.
Schanzlin			
Gigant 703 S, 803, S		4DN 008 768-041 12V 2+1+1x21W 6-pin	1
Schlüter			
S 350 - S 3000	->06/78	4DN 008 768-041 12V 2+1+1x21W 6-pin	1
S 350 - S 3000	07/78->	4DN 008 768-021 12V 2+1+1x21W 6-pin	1
Sisu (Valmet)			
205 - 665		4DN 008 768-021 12V 2+1+1x21W 6-pin	1
6000 - 8400		4DN 008 768-021 12V 2+1+1x21W 6-pin	1
Steyr			
8060 - 8160 a		4DN 008 768-021 12V 2+1+1x21W 6-pin	1
VME			
various models		4DM 006 475-061 24V 2+1x21W +5W 6-pin	1
DM 861		4DN 008 768-021 12V 2+1+1x21W 6-pin	1
DM 5350		4DM 003 944-027 24V 2+1x21W +5W 6-pin	126
T 500 - T 2250		4DN 008 768-021 12V 2+1+1x21W 6-pin	1
3500		4DM 003 944-041 24V 2+1x21W +5W 6-pin	1

*) C2 connection on top **) C2 and 31 connection on top

Legal requirement in all ECE states

In the case of vehicles approved for use on public roads, the indicators must be monitored: The failure of an indicator must be shown optically or acoustically in the vehicle. This applies in all ECE states. In other words, the potential failure of the indicator must be monitored by the vehicle. Manufacturers use various failure-control systems. The failure check systems currently in use cannot detect simple LED lights and display a fault. All Hella LED indicators have integrated electronics for failure checking. The indicators are self-monitoring. They generate a pulse that is evaluated by the electronic ballast. This ballast simulates a 21 W bulb, which makes operation with conventional flasher units possible.

As soon as one single LED fails, the light can be considered faulty, the pulse is not generated. The ballast then switches the bulb simulation off and the flasher unit indicates the fault to the driver.

Safe conversion to Hella LED indicators now possible thanks to patented Hella electronics

Hella supplies electronic ballasts for all Hella LED indicators which make it possible to convert the indicator failure display for various vehicles. This is necessary if the vehicle manufacturer does not guarantee indicator bulb failure checking via the vehicle electric system. The method has been patented by Hella. At the moment, there are three different ballasts and several different LED indicator types available.

LED indicator failure check: Background information.

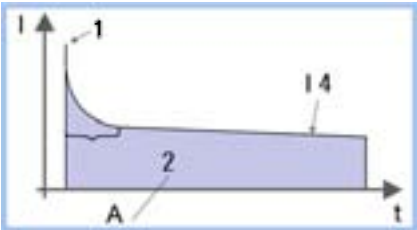


Fig. 1

Why does the failure detection required by law work with various LED lights with some flasher units and not with others?

Fig. 1 illustrates the typical current pattern when a bulb is switched on. Different flasher units detect this in different ways, for example by
a) measuring the pulse peak or
b) measuring the current at some point during the switch-on pulse or
c) measuring the current after the pulse, when the current is constant and has a certain intensity, or
d) determining the total energy flowing through the light (size of area A)

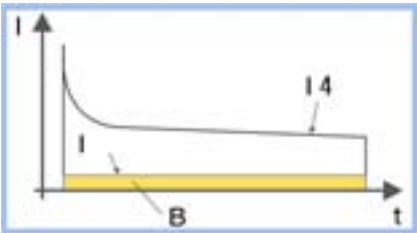


Fig. 2

Fig. 2 shows the LED current (I_{LED}) in relation to this. None of the methods mentioned can work here, because there is neither a switch-on pulse available nor is the current intensity high enough, and another possibility is that the total energy through both lights is identical (area B is as large as A).

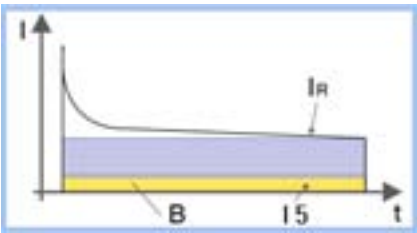


Fig. 3

If a simple Ohmic resistor is inserted, e.g. a resistor cable, the current is increased by a certain value (I_R) and the curve illustrated in Fig. 3 is the result. In this case, only a flasher unit according to principle c) would work. If the resistance is chosen somewhat higher, principle d) could also possibly work. If the light fails afterwards due to mechanical damage, the flasher unit could detect the inserted resistor as a functional bulb. In this case, a light working perfectly would be indicated although this is not the case! This means: In this case the vehicle would lose its approval for use on public roads.

The only solution conceivable for universal use is one that works with all the flasher units on the market. As the above considerations have shown, this can practically only be guaranteed if the current pattern of a bulb is simulated exactly by means of an electronic circuit.

Since such a circuit is extremely complex, it is not possible to integrate this in the LED light. In order to be able to benefit from the advantages of LED lights despite this fact, a ballast is required for the circuit. This combination provides the perfect – and above all legally conforming – solution to the problem.

- I = Current
- t = Time
- 1 = Pulse peak
- 2 = Switch-on pulse
- 3 = Individual pulse
- 4 = Filament bulb
- 5 = LED

Hella patent for the perfect problem solution

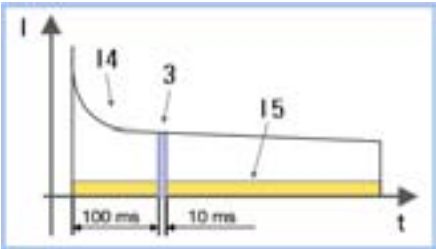


Fig. 4

- I = Current
- t = Time
- 1 = Pulse peak
- 2 = Switch-on pulse
- 3 = Individual pulse
- 4 = Filament bulb
- 5 = LED

All Hella LED indicators with integrated electronics for failure checking are selfmonitoring and generate an individual pulse.
This pulse is evaluated by the electronic ballasts.
The ballasts simulate a 21 W bulb.
This makes operation with conventional flasher units possible.
If the light is faulty, which can be the case if only a single LED fails, the above-mentioned pulse is not generated. The ballasts then switches the bulb simulation off and the flasher unit indicates the fault to the driver.

By measuring the light current during a time window of 10 ms (Fig. 4), direct exchange between the Hella LED light and a bulb version is possible.

Hella ballasts are straightforward to convert even at a later date.

Vehicle manufacturers can also ensure ECE-conforming failure checking by evaluating the pulse of the Hella LED indicators shown in the adjacent diagram directly in their control units.
The exact specification can be obtained from Hella.

Connecting- and clamping descriptions for flasher units

Terminal					Description
15					Ignition plus
49	X				Input
+49	X				Input
49a					Output
49L					Output, left
49R					Output, right
30					Battery plus
30b					Battery III plus
31					Earth
54					Stop light
54a					Stop light, for trailer
54L					Stop light, left
54R					Stop light, right
82					Normally open input
C	C1	CP	P	CL	1. Control lamp
C2					2. Control lamp
C3					3. Control lamp
CO					Main connection for control circuits separated from the indicator
+					Battery plus
-					Earth
B					Battery
L					Indicator, left
R					Indicator, right

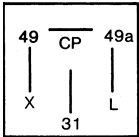
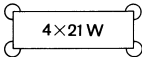
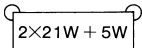
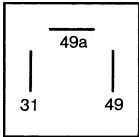
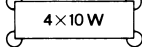
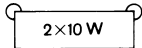
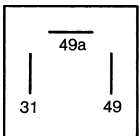
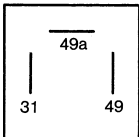
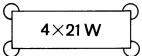
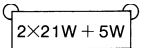
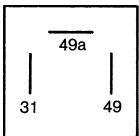
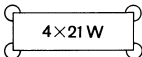
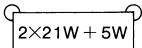
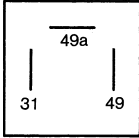
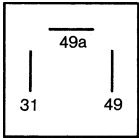
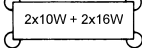
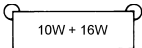
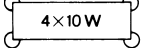
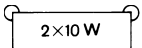
Connecting- and clamping descriptions for control units

Terminal		Description
15	B +	Ignition plus
30		Battery plus
30a		Battery II plus
31		Earth
56a		Main-beam light
56b		Dipped-beam light
58		Rear-, licence plate-, clearance light and instrument lights
61		Alternator check (charge indication)
85		Output (earth)
86		Winding start
87		Relay contact in the case of normally closed and change-over / input
87a		Relay contact in the case of normally closed and change-over / 1st output
87b		Relay contact in the case of normally closed and change-over / 2nd output

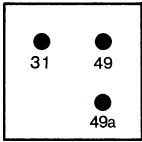
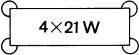
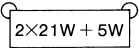
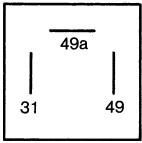
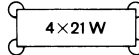
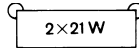


Flasher Units

1

6V, 4-pin 	Part no. 4AZ 003 787-011	Pk. 1	Two-wheeled vehicles Flasher unit, 6V 
12V, 3-pin 	4DB 003 750-137	1	Two-wheeled vehicles from Hercules, Rixe, Zündapp Flasher unit, 12V 
	4DB 003 750-711 4DB 003 750-717 4DB 003 750-721	1 150 1	Audi, BMW, Citroën, Fiat, Ford, Honda, Iveco-Ford, Lada, Lancia, Mazda, Opel, Peugeot, Porsche, Rover, Saab, Seat, Skoda, Subaru, Suzuki, Toyota, Vauxhall, Volkswagen, Volvo Flasher unit, 12V, without bracket  with bracket
	4DB 003 750-391	1	Mitsubishi, Volvo without bracket 
	4DB 003 750-707 4DB 003 750-737	250 250	Triumph Flasher unit, 12V 

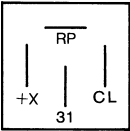
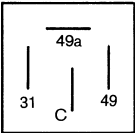
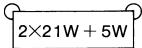
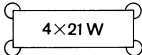
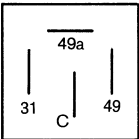
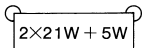
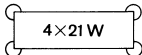
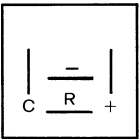
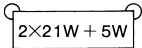
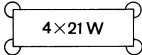
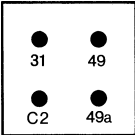
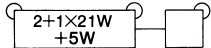
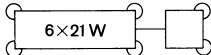
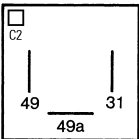
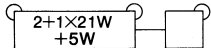
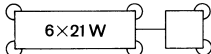


12V, 3-pin 	Part no. 4DB 004 225-002	Pk. 1	Mercedes-Benz Flasher unit, 12V 
	4AZ 001 879-041	1	Universal Flasher unit, 12V 10-140W 



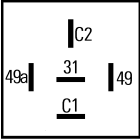
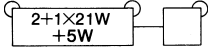
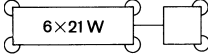
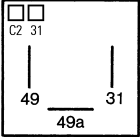
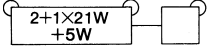
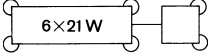
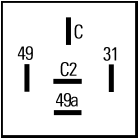
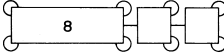
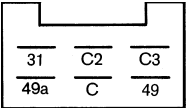
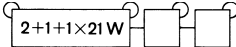
Flasher Units

1

12V, 4-pin	Part no.	Pk.	Universal
 	4AZ 003 787-001	1	Flasher unit, 12V  
 	4DB 001 887-041	1	John Deere, Porsche, Saab Flasher unit, 12V  
 	4DB 003 425-041	1	Lada, Volvo Flasher unit, 12V  
 	4DB 007 218-001	1	Alfa Romeo, Citroën, Fiat, Lancia, Peugeot, Renault, Seat Flasher unit, 12V  
 	4DM 003 640-051	1	Mercedes-Benz Flasher unit, 12V  
  C2 connection on top	4DM 005 698-017	1	Audi, BMW, John Deere, Ford, Gutbrod, Honda, Iveco-Ford, Lada, Mazda, Mercedes-Benz, Opel, Peugeot, Porsche, Rover, Saab, Seat, Skoda, Subaru, Suzuki, Steyr, Toyota, Vauxhall, Volkswagen Flasher unit, 12V  

12V, 4-pin C2 and 31 connection on top	Part no. 4DM 003 360-021 4DM 003 360-027	Pk. 1 200	Audi, BMW, Citroën, Claas, Daihatsu, John Deere, Fiat, Ford, Gutbrod, Hako, Honda, Iveco-Ford, Lada, Lancia, Land Rover, Mazda, Mercedes-Benz, Mitsubishi, Nissan, Opel, Peugeot, Porsche, Rover, Saab, Seat, Skoda, Subaru, Suzuki, Toyota, Volkswagen, Volvo Flasher unit, 12V
	4DM 003 390-011	1	Mercedes-Benz Flasher unit, 12V
	4DW 003 390-051	1	Mercedes-Benz Flasher unit, 12V
	4DM 004 420-107	168	Mitsubishi, Volvo Flasher unit, 12V
	4DW 004 639-077	100	Universal Flasher unit, 12V
	4DW 009 492-111	1	Universal LED-flasher unit, 12V, with bracket only in accordance with Hella LED indicator, see page 1.19 - 1.20

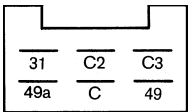
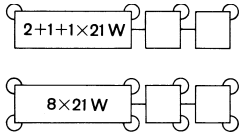
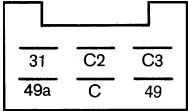
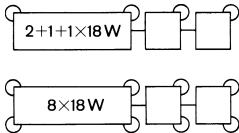
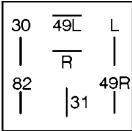
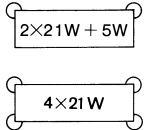
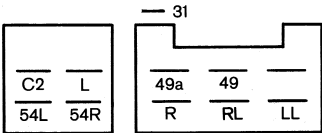
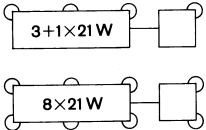


12V, 5-pin	Part no.	Pk.	Universal
 	4DM 003 460-021	1	Flasher unit, 12V  
  C2 and 31 connection on top	4DM 005 698-021 4DM 005 698-027	1 64	Audi, BMW, John Deere, Ford, Gutbrod, Honda, Iveco-Ford, Lada, Mazda, Mercedes-Benz, Opel, Peugeot, Porsche, Rover, Saab, Seat, Skoda, Subaru, Suzuki, Steyr, Toyota, Volkswagen Flasher unit, 12V  
 	4DN 009 492-101	1	Universal LED-flasher unit, 12V only in accordance with Hella LED indicator, see page 1.19 - 1.20  
 	4DN 996 173-017	250	John Deere Flasher unit, 12V  

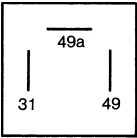
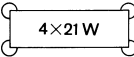
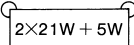
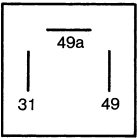
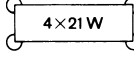
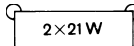
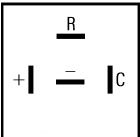
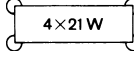
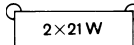
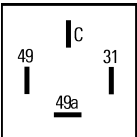
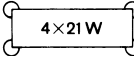
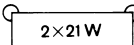
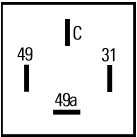
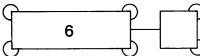
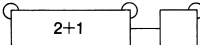
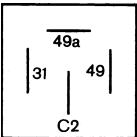
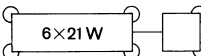
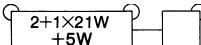
12V, 6-pin C2 and 31 connection on top	Part no. 4DM 005 698-031	Pk. 1	Alfa Romeo, Citroën, Fiat, Lancia, Peugeot, Renault, Seat Flasher unit, 12V
	4DM 001 863-081	1	Iveco-Magirus, Mercedes-Benz Flasher unit, 12V
	4DN 008 768-001	1	Case International, Dexheimer, Fiat Geotech, Massey-Ferguson Flasher unit, 12V
	4DN 008 768-017	1	Fiat Geotech Flasher unit, 12V
	4DN 008 768-021 4DN 008 768-027	1 99	Case International, John Deere, Holder, Massey-Ferguson, Landini, Renault, Schlüter, Steyr, Sisu (Valmet), VME Flasher unit, 12V
	4DN 008 768-031 4DN 008 768-037	1 72	Deutz-Fahr, Fendt Flasher unit, 12V

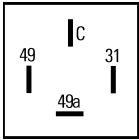
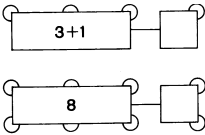
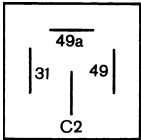
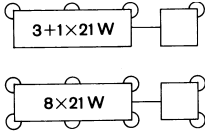
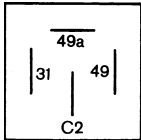
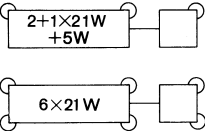
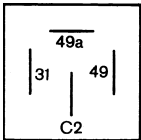
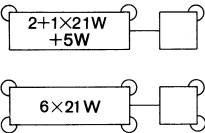
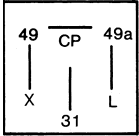
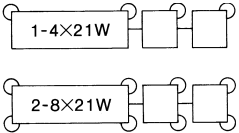
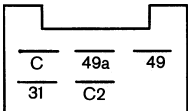
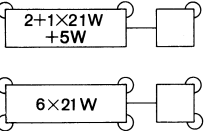


Flasher Units

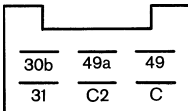
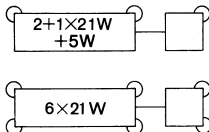
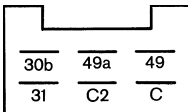
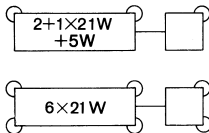
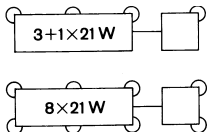
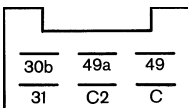
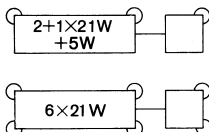
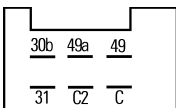
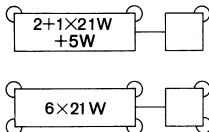
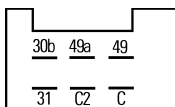
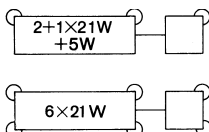
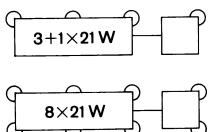
12V, 6-pin 	Part no. 4DN 008 768-041	Pk. 1	John Deere, Ford, Schanzlin, Schlüter Flasher unit, 12V 
12V, 6-pin 	Part no. 4DN 008 768-051	Pk. 1	Case International, Case Poclain, John Deere, Deutz-Fahr, Ford, Güldner, Holder, Krieger, Massey-Ferguson Flasher unit, 12V 
12V, 7-pin 	Part no. 4DB 006 716-041	Pk. 1	Alfa Romeo, BMW, Saab Flasher unit, 12V 
12V, 11-pin 	Part no. 4DW 002 834-111	Pk. 1	Mercedes-Benz Flasher unit, 12V 



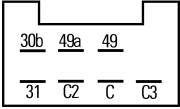
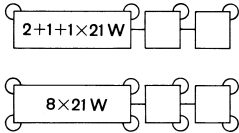
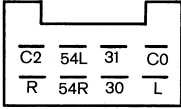
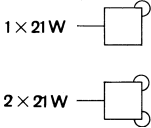
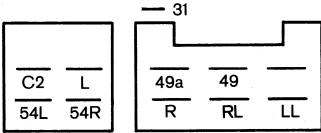
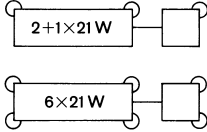
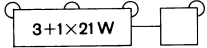
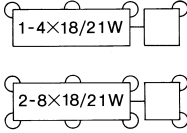
24V, 3-pin 	Part no. 4DB 003 675-001	Pk. 1	Mercedes-Benz Flasher unit, 24V 
	4AZ 001 879-051	1	Universal Flasher unit, 24V 10 - 140W 
24V, 4-pin 	4DB 009 123-001	1	Universal Flasher unit, 24V 
	4DB 009 123-031	1	Universal Flasher unit, 24V 
	4DM 009 492-001	1	Universal LED-flasher unit, 24V only in accordance with Hella LED indicator, see page 1.19 - 1.20 
	4DM 003 390-031	1	Mercedes-Benz Flasher unit, 24V 

24V, 4-pin  	Part no. 4DW 009 492-011	Pk. 1	Universal LED-flasher unit, 24V only in accordance with Hella LED indicator, see page 1.19 - 1.20 
 	4DW 004 513-001	1	Mercedes-Benz Flasher unit, 24V 
 	4DM 004 639-021 4DM 004 639-027	1 168	Iveco-Ford Flasher unit, 24V 
 	4DM 004 639-061 4DM 004 639-067	1 180	Fiat, Kässbohrer Flasher unit, 24V 
 	4AZ 003 787-021	1	Universal Flasher unit, 24V 10 - 200W 
24V, 5-pin  	4DM 003 474-001 4DM 003 474-007 4DM 003 474-017	1 90 126	Auwärter G. (Neoplan), Renault, Steyr Flasher unit, 24V with bracket without bracket 



24V, 6-pin 	Part no.	Pk.	Steyr, VME
	4DM 003 944-027	1	Flasher unit, 24V 
	4DM 003 944-041	1	Berkhof, Bova/DAF, Duple, Iveco-Magirus, Kässbohrer, Land Rover, Mercedes-Benz, Renault Trucks, Van Hool, VME Flasher unit, 24V 
	4DW 003 944-051	1	Auwärter G. (Neoplan), Case International, Van Hool, Steyr, Volvo Flasher unit, 24V 
	4DM 006 475-021	1	Renault Trucks, Volvo Flasher unit, 24V 
	4DM 006 475-061	1	VME Flasher unit, 24V 
	4DM 006 475-051	1	Volvo Flasher unit, 24V 
	4DW 006 475-071	1	Volvo Flasher unit, 24V 



24V, 7-pin 	Part no. 4DN 009 124-011	Pk. 1	Mercedes-Benz Flasher unit, 24V 
24V, 8-pin 	4JA 005 355-001	1	Kässbohrer Trailer connector unit, 24V 
24V, 11-pin 	4DM 002 834-001	1	Iveco-Magirus Flasher unit, 24V 
	4DW 002 834-101	1	Iveco-Magirus Flasher unit, 24V 
	4DW 002 834-121	1	Mercedes-Benz Flasher unit, 24V 
	4DZ 002 834-162	1	Universal Blinkgeber, 24V 

24V, 13-pin  49aC 4931C2 LRLVRLHR LLVLLH54L54R	Part no. 4DJ 003 767-001	Pk. 1	Scania Flasher unit, 24V 1+3+3×21W 14×21W
 49aC 4931C2 LRLVRLHR LLVLLH54L54R	4DN 004 589-031	1	Volvo Flasher unit, 24V 2+1+1×21W 8×21W
24V, 16-pin  LT L 31 30 30 15 R RT LR LF C HVLL HV C2 RF RR	4DN 007 431-021	1	Scania Flasher unit, 24V 2+1+1×21W 8×21W

Flasher unit regulations

Hella flasher units comply with national and international regulations.

- StVZO § 54 turn indicator
- ECE Directive 48 lighting equipment
- EEC Directive 76/756 lighting equipment
- US Federal Standard FMVSS 108 lighting equipment
- SAE J 590 Turn signal flasher unit
- SAE J 945 Hazard warning flasher unit
- EEC Directive 72/245 radio interference supression

Control function

Failure of a flasher lamp in a motorised vehicle or trailer must be indicated to the driver acoustically or by means of control lamps.

Hella flasher units ensure control by means of

1. Doubling of the flashing rate (E control) or
2. Control lamp cutoff (P control)

General technical data:

Rated voltage	12V	24V
Test voltage	13V	28V
Operating voltage	10V - 15V	20V - 30V
Test temperature	23 °C ± 5 °C	23 °C ± 5 °C
Operating temperature	-30 °C to +80 °C	-30 °C to +80 °C
Storage temperature	-40 °C to +90 °C	-40 °C to +90 °C
Flashing rate	90 ± flashes/min.	90 ± flashes/min.
Full illumination time, normal	50% ± 10%	50% ± 10%
Full illumination time, rapid flashers	40% ± 5%	40% ± 10%
Control type	E/P, EP, PP, PPP	EP, PP
Voltage drop 49-->49a	< 450 mV	< 450 mV
Resistance to short circuiting 49-->49a	15A fuse	15A fuse
Device protection system, minimum	IP 53 DIN 40050	IP 53 DIN 40050

Flasher unit classification

The Hella range comprises the following types of flasher units:

- **Single-circuit flasher units**
- **Two-circuit flasher units**
- **Three-circuit flasher units**

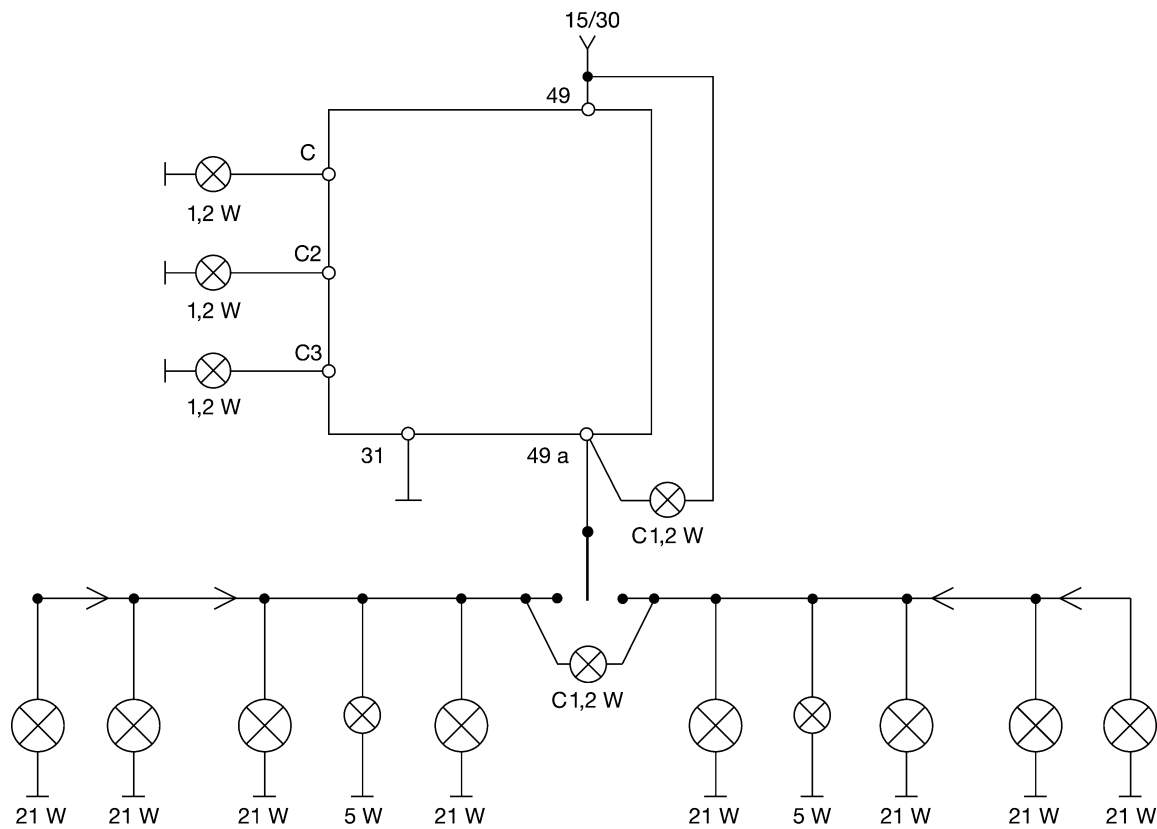
This classification is based on the number of internal current/control circuits, via which the flasher lamps on the vehicle can be switched and controlled.



The test circuits

The single-circuit test circuit

There is only one test resistor for the entire flasher system in a single-circuit flasher unit.
For this reason, the flasher unit cannot tell whether a flashing lamp on the motor vehicle or trailer is defective.



Load drop-off variants

- 2 (4) x 21W + 5W 12V
- 2+1 (6) x 21W + 5W 12V/24V
- 3+1 (8) x 21 W 12V/24V
- 2+1+1 (8) x 21W 12V

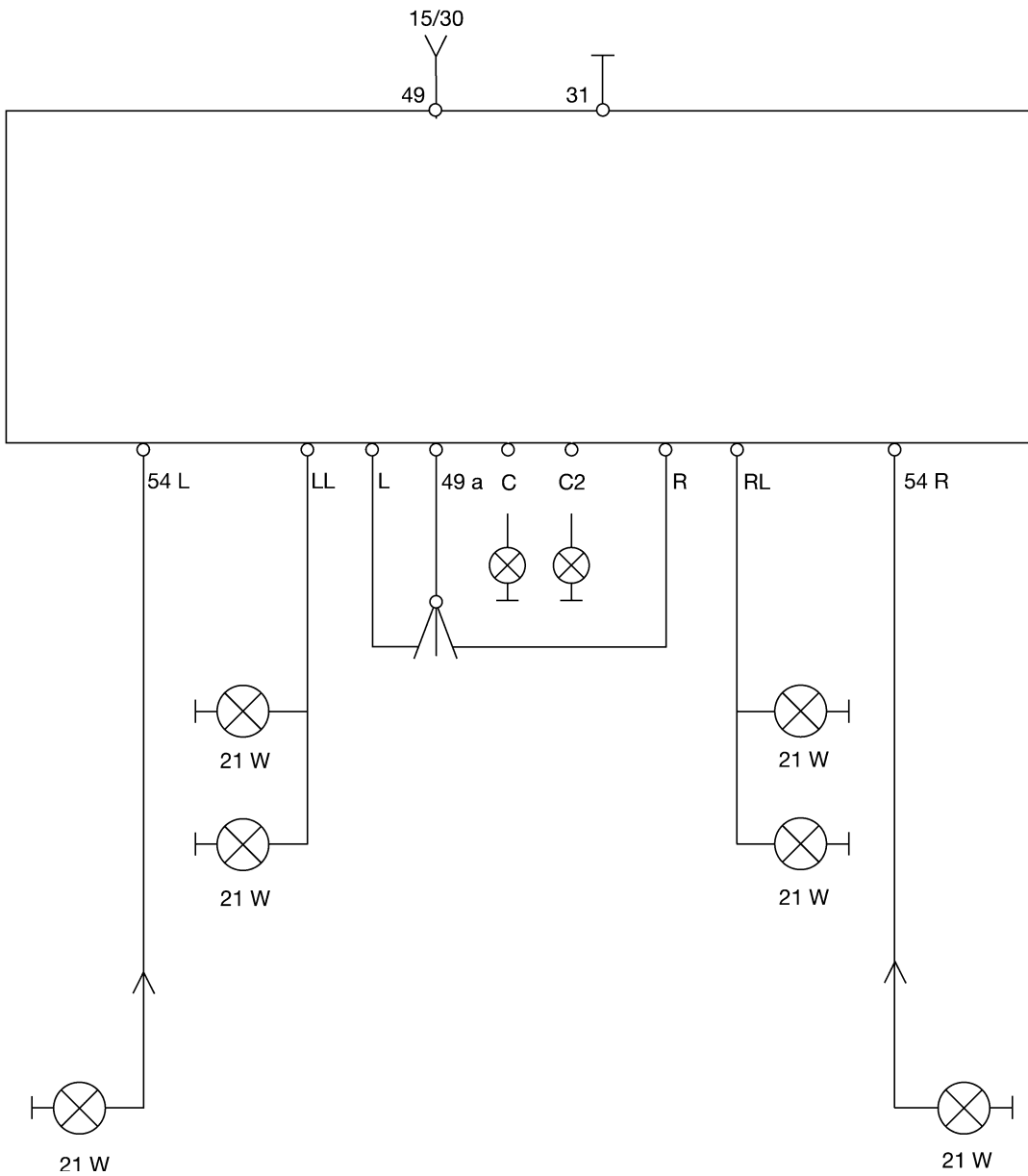
Control types

- E/P
- EP/PP
- EP/PP
- PPP

The two-circuit test circuit

In a two-circuit flasher unit, the test circuits are allocated to the vehicle and the trailer respectively.

The use of multiple-circuit flasher units makes sense in heavy utility vehicles and buses to reduce test signal losses in the long cables and many plugged connections and ensure a reliable lamp failure signal.



Load drop-off variants

- 2+1 (6) x 21W 12V/24V
- 3+1 (8) x 21W 12V/24V

Control types

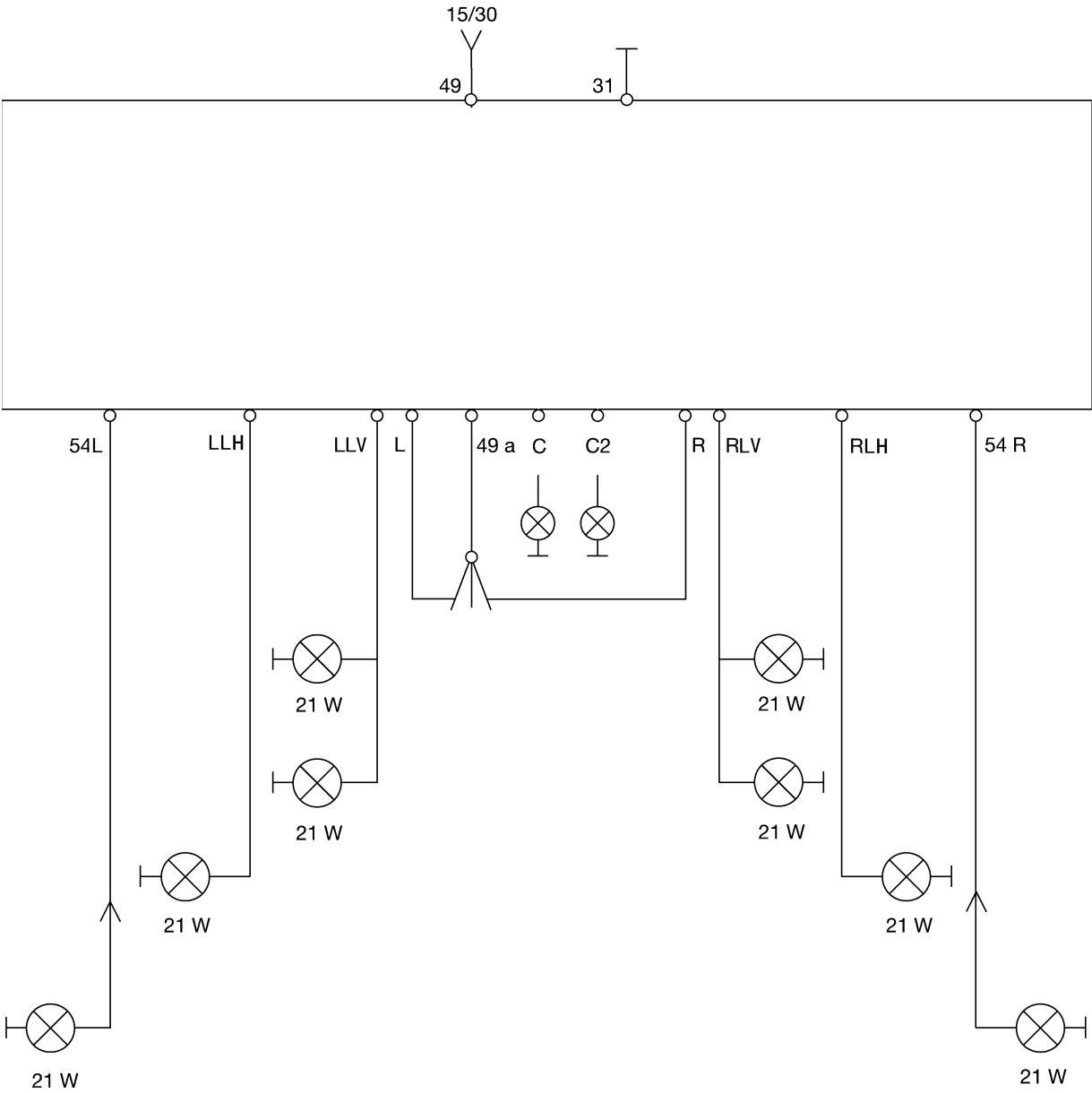
- EP/PP
- EP/PP



The three-circuit test circuit

With a three-circuit flasher unit there is a separate test circuit for front and rear flasher lamps on the towing vehicle and for the flasher lamps on the trailer.

The use of multiple-circuit flasher units makes sense in heavy utility vehicles and buses to reduce test signal losses in the long cables and many plugged connections and ensure a reliable lamp failure signal.



Load drop-off variants

- 1+1...3+1..3 x 21W 24V
- 2+1...3+1..3 x 21W 24V

Control types

- PP
- PP

Electronic turn signal and hazard flasher units for all applications, 12V and 24V

	Turn signals		Hazard warning flashers
Without trailer			
With trailer			

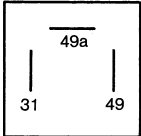
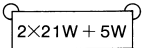
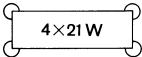
The electronic turn signal and hazard warning flasher units from Hella are available with single-circuit, two-circuit or three-circuit system.

Single-circuit flasher units

Application range:

Application range:
Passenger cars, passenger cars with trailer, transporters, vans, small buses, trucks (light to medium-heavy class), agricultural vehicles, commercial vehicles

All flasher lamps on one side of the vehicle including trailer are switched and controlled by an internal power and control circuit in the flasher unit. A measuring resistor is responsible for the bulb failure control. The single-circuit flasher unit allows reliable control of up to four flasher lamps per vehicle side. A specific fault source display (towing vehicle/trailer) is not possible with single-circuit flasher units.

		 	Part no. 4DB 003 750-711 4DB 003 750-721	Pk. 1 1	Electronic turn signal and hazard warning flasher units, for vehicles with 12V system, small housing for fit equipment carrier. With E-control. In the event of bulb failure the indicator lamp starts to flash quickly. Turn signal and hazard warning flasher unit, 3-pin, without bracket, 12V with bracket, 12V See circuit diagram, page 1.34



 31 C2 49a 31 49 C2 C2 and 31 connection on top 2+1×21W +5W 6×21W 30b 31 49a C2 49 C	Part no.	Pk.	Electronic turn signal and hazard warning flasher units, for vehicles with 12V system. with EP-control. In the event of bulb failure on the towing vehicle the indicator lamp starts to flash quickly, in the event of bulb failure on the trailer the indicator lamp goes out. Suitable hazard warning flasher switch 6HF 001 579-052 (Pk.1) for vehicles with separate stop/flasher lamp function. Turn signal and hazard warning flasher unit, 4-pin, 12V See circuit diagram, page 1.34
	4DM 003 360-021 4DM 003 360-027	1 200	
 30b 31 49a C2 49 C 2+1×21W +5W 6×21W 3+1×21W 8×21W	4DM 003 944-041	1	For vehicles with 24V system, with P-control. In the event of bulb failure on the towing vehicle or on a trailer the indicator lamp goes out. Turn signal and hazard warning flasher unit, 6-pin, 24V See circuit diagram, page 1.34
	4DW 003 944-051	1	Turn signal and hazard warning flasher unit, 6-pin, 24V See circuit diagram, page 1.34

Two-circuit flasher units

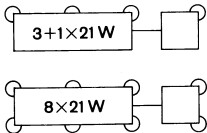
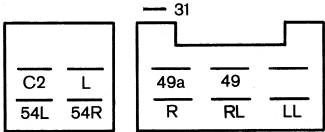
Range of application:

Trucks (medium-heavy to heavy class), buses, commercial vehicles

All flasher lamps on one side of the vehicle including trailer are switched and controlled by an internal power and control circuit in the flasher unit. One control circuit for the towing vehicle, the second for the trailer. The advantage of this concept is the specific fault display (towing vehicle/trailer) which is not possible in this manner with a one-circuit system.

The line losses are taken into consideration by the bulb failure evaluation circuitry for the trailer.

1

  	Part no. 4DW 002 834-111	Pk. 1	Electronic turn signal and hazard warning flasher unit, for vehicles with 24V system, with P-control. In the event of bulb failure on the towing vehicle or the trailer the indicator lamp goes out. Turn signal and hazard warning flasher unit, 11-pin, 12V See circuit diagram, page 1.35
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Three-circuit flasher units

Range of application:
Commercial vehicles (heavy class), buses

All flasher lamps on one side of the vehicle including trailer or semi-trailer are switched and controlled via three internal power and control circuits in the flasher unit.

One control circuit for the front flasher lamps on the towing vehicle, the second for the rear flasher lamps on the towing vehicle.

The third control circuit is for the flasher lamps on the trailer or the semi-trailer.

Faults from the first and second control circuit are displayed by the indicator lamp for the towing vehicle. Faults from the third control circuit are displayed by the indicator lamp for the trailer.

The negative influence on the control characteristics caused by long leads is significantly reduced with the three-circuit system.

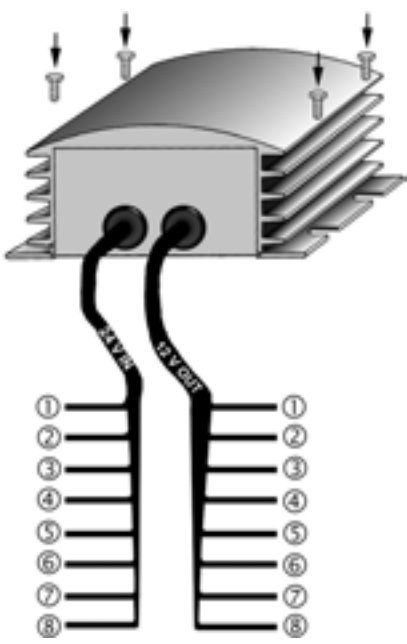
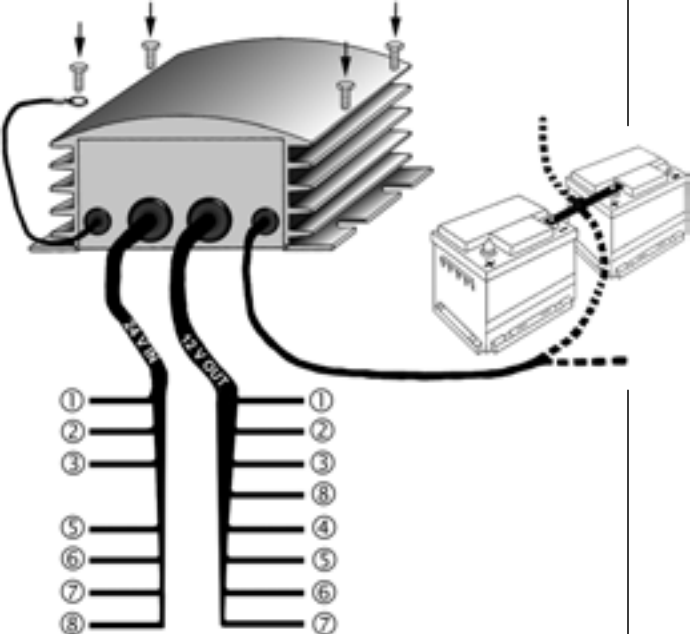
 1+3+3×21W 14×21W 49a C 49 31 C2 L RLV RLH R LLV LLH 54 L 54R	Part no.	Pk.	Electronic turn signal and hazard warning flasher unit, for vehicles with 24V system, with PP-control. In the event of bulb failure on the towing vehicle or the trailer the indicator lamp goes out. Turn signal and hazard warning flasher unit, 13-pin, 24V See circuit diagram, page 1.36
 2+1+1×21W 8×21W 49a C 49 31 C2 L RLV RLH R LLV LLH 54 L 54R	4DN 004 589-031	1	Electronic turn signal and hazard warning flasher unit, for vehicles with 24V system, with PP-control. In the event of bulb failure on the towing vehicle or the trailer the indicator lamp goes out. Turn signal and hazard warning flasher unit, 13-pin, 24V See circuit diagram, page 1.36
 2+1+1×21W 8×21W LT L 31 30 30 15 R RT LR LF C HWL HW C2 RF RR	4DN 007 431-021	1	Electronic turn signal and hazard warning flasher unit, for vehicles with 24V system, with PP-control. In the event of bulb failure on the towing vehicle or the trailer the indicator lamp goes out. Turn signal and hazard warning flasher unit, 16-pin, 24V See circuit diagram, page 1.36



Flasher Units

1

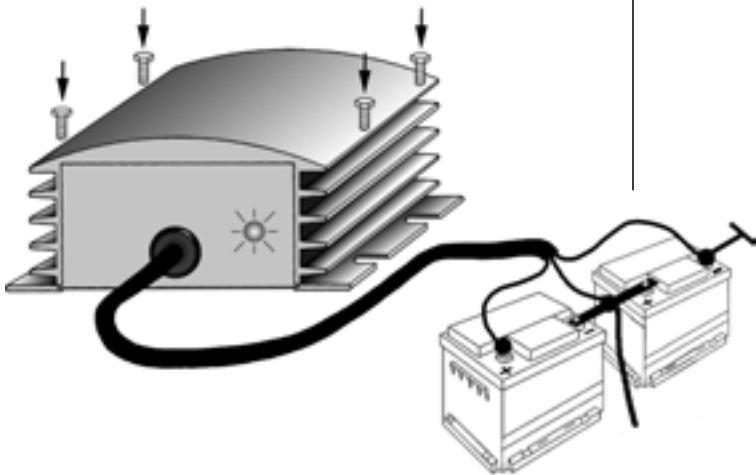
	Part no. 4AZ 003 787-001 4AZ 003 787-021	Pk. 1 1	Universal electronic flasher unit with switch-on indicator. Proper function of the flasher unit is indicated, when a bulb fails the indicator does not flash. Transistor version, load-independent, increased short-circuit security. Max. load 10 - 200W. Turn signal and hazard warning flasher unit, 4-pin, 12V 4-pin, 24V
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	Part no.	Pk. Voltage transformers, trailer connecting units Allows the use of 12V trailers on vehicles with 24V operating voltage. The integrated voltage transformer makes operation without a separate voltage transformer possible. The trailer connecting unit has 7 channels for the trailer lamp function. Failure of a 12V trailer flasher lamp is indicated by the series warning light C2. Known vehicle restrictions: Mercedes Benz Atego MP2 series and DAF 75.360 CF Technical data: Rated voltage: 24V/12V. Capacity per switching channel: 2 x 21W. Capacity per flasher lamp: 1 x 21W. Operating temperature: -30 °C to +80 °C. Polarity inversion protection: permanent protection. Type of protection: IP5K9K acc. to DIN 50021-55. Type approvals: e1 / CE.
Colour of lead: 24V Towing vehicle ISO 12 098 1 yellow = Flasher light left 2 green = Flasher light right 3 blue = Rear fog light 4 white = Earth 5 black = Tail light left 6 brown = Tail light right 7 red = Stop light 8 grey = Reversing light 12V Trailer ISO 11446 bzw. ISO 1724 1 yellow = Flasher light left 2 blue = Rear fog light 3 white = Earth 4 green = Flasher light right 5 brown = Tail light right 6 red = Stop light 7 black = Tail light left 8 grey = Reversing light	5DS 008 125-011 1	Voltage transformer, trailer connecting unit, 24V/12V
	5DS 008 125-001 1	Allows the use of 12V trailers on vehicles with 24V operating voltage. The trailer connecting unit makes a separate voltage transformer or a voltage converter with 8A 12V necessary. The following units can be used for this purpose: 8ES 008 123-001, 8ES 008 124-001 or 8ES 006 658-021. The time-delay relay has 7 channels for the trailer lamp function. Failure of a 12V trailer flasher lamp is indicated by the series warning light. Technical data: Rated voltage: 24V/12V. Quiescent current: 8mA. Steuerstrom der Schaltkanäle: 2,5mA. Capacity per switching channel: 2 x 21W. Capacity per flasher lamp: 21W. Voltage drop along the switching channel: 200mV. Operating temperature: -30 °C to +80 °C. Polarity inversion: permanent protection. Type of protection: IP5K9K acc. to DIN 50021-55. Type approvals: e1 / CE.
Colour of lead: 24V Towing vehicle ISO 12 098 1 yellow = Flasher light left 2 green = Flasher light right 3 blue = Rear fog light 5 black = Tail light left 6 brown = Tail light right 7 red = Stop light 8 grey = Reversing light 12V Trailer ISO 11446 bzw. ISO 1724 1 yellow = Flasher light left 2 blue = Rear fog light 3 white = Earth 4 green = Flasher light right 5 brown = Tail light right 6 red = Stop light 7 black = Tail light left 8 grey = Reversing light	5DS 008 125-001 1	Voltage transformer, trailer connecting unit, 24V/12V



Voltage Transformers, Charge Compensators

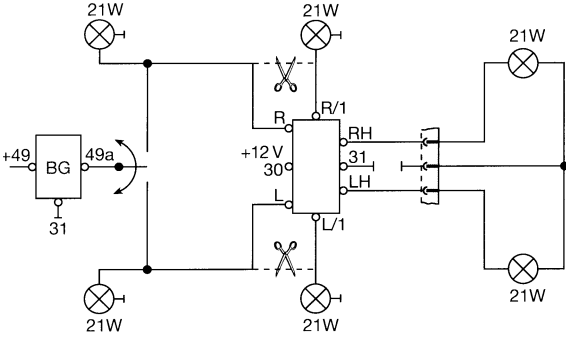
1



- Colour of lead:**
- 24V Towing vehicle**
- 1 grey = Reversing light
 - 2 blue = Rear fog lamp
 - 3 black = Tail light left
 - 4 brown = Tail light right
 - 5 red = Stop light
 - 6 yellow = Flasher light left
 - 7 green = Flasher light right
 - 8 white = Earth



Part no.	Pk.	Voltage transformers, charge compensators
		For vehicles with 24V operating voltage. The voltage transformer detects the voltages of the two 12V batteries. The voltage transformer produces an equalising current if the battery on the earth side supplies less voltage. Operation of the device is indicated by a light emitting diode. Thus, 12V consumers can be connected to the battery on the earth side. The capacity of the voltage transformer depends on the average power drawn by all of the 12V consumers. If a conventional voltage transformer is used, the device's capacity is to correspond to the maximum power drawn by all of the 12V consumers. Therefore, simply add up the average power consumption of all 12V consumers.
		The device is connected via 3 leads: one lead connects to 24V, the second to earth and the third to the entre cap between the batteries. (see diagram).
		Technical data: Operating voltage: 24V. Compensation current: 5A. Quiescent current: 15mA. Switch-on voltage: 27V. Switch-off voltage difference : 0.5V. Operating temperature: -25 °C to +65 °C. Polarity safeguard and short-circuit proof. Type of protection: IP5K9K.
8ES 008 123-001	1	Charge compensator 5A
		Technical data: Operating voltage: 24V. Compensation current: 8A. Quiescent current: 15mA. Switch-on voltage: 27V. Switch-off voltage difference : 0.5V. Operating temperature: -25 °C to +65 °C. Polarity safeguard and short-circuit proof. Type of protection: IP5K9K.
8ES 008 124-001	1	Charge compensator „Plus“ 8A
		Indicator control unit
		For use with Hella LED-indicators. (see page 1.19 - 1.20. For vehicles without flasher unit that carry out curent measurement for the failure check. Is a fault only determined during flashing (e.g. double flashing frequency).
5DS 009 552-001	1	Indicator control unit for 24V trailers No independent voltage supply is required. Protective rating: IP6K9K.

 R/130L/1LH RHRL31 	Part no.	Pk.	Universal
	4JA 009 126-011	1	Trailer connecting unit, 12V, 8-pin Allows connection of 12V socket without replacing present flasher on towing vehicle. The flashers are controlled by the present control.
 BR-HRFS-H 31BR SL-RSL-HL30 RFS SL-HRSL-L	4JA 009 126-031	1	Universal Trailer connecting unit, 12V, 10-pin In addition to controlling the flasher lamps, decouples bulbs on trailer from towing vehicle (4 channels: left and right tail lamp, stop lamp and reversing lamp). Required for vehicles with lamp check.



Voltage Transformers

1

 + 24V/ KI 15 + 12V - Masse/ Ground	Part no.	Pk.	Voltage transformers For commercial vehicles with 24V electrical systems. Fitting the voltage transformer in vehicles with 24V electrical systems enables 12V radios etc. to be fitted. Max. load: 2A. Input voltage: 18V-30V. Output voltage: 14V ± 3%, Output power level: 28W. Dimensions: 100 x 97 x 27 mm, Distance between fixing holes: 104 mm. Hole diameter: 7 mm.
	8ES 006 658-001	1	Voltage transformer
 + 24V/ KI 15 + 12V - Masse/ Ground Batt/KI 30 12V/10 mA Memory out Masse/ Ground	8ES 006 658-011	1	Voltage transformer For commercial vehicles with 24V electrical systems. For vehicle radios with auxiliary amplifier, two-way-radios, refrigerators, etc. The voltage transformer has a 12V10mA memory connection for use with radios with station memory, clocks, etc. With exchangeable 4A fuse. Max. load: 4A. Input voltage: 18V - 30V. Output voltage: 14V ± 3%. Output power level: 56W. Dimensions: 125 x 65 x 125 mm. Four 4 mm dia. holes for fixing screws. Distance between fixing holes: 95 x 117 mm.
	8ES 006 658-021	1	Voltage transformer For commercial vehicles with 24V electrical systems. For stereo-cassette-player/radio with auxiliary amplifier, portable television sets, refrigerators, two-way-radios, etc. The voltage transformer has a 12V10mA memory connection for use with radios with station memory, clocks, etc. With exchangeable 8A fuse. Max. load: 8A. Input voltage: 18V - 30V. Output voltage: 14V ± 3%. Output power level: 112W. Dimensions: 250 x 65 x 125 mm. Four 4 mm dia. holes for fixing screws. Distance between fixing holes: 117 x 210 mm.



Control Units, Glow Plug System

1



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Control Units, Glow Plug System

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Control Units, Glow Plug System

Alfa Romeo - Citroën



1

Manufacturer Model Vehicle type	Model Year	Part no.	Note
Alfa Romeo			
6 (119)	04/79->12/86		
2.5 TD (VM-HR 588 HT, 06/83->05/86)		4RV 008 188-101	
2.5 TD (VM-HR 588 HT, 01/83->05/86)		4RV 008 188-131	after-glow capable
33 (905)	05/83->12/93		
1.8 TD (VM 82 A, 09/86->12/89)		4RV 008 188-131	after-glow capable
33 Sportwagon (905A)	01/84->12/89		
1.8 TDY(09/86->12/89)		4RV 008 188-131	after-glow capable
75 (162B)	05/85->12/92		
2.0 TD (162.BD, 162.BG) (VM 80 A)		4RV 008 188-131	after-glow capable
90 (162)	10/84->07/87		
2.4 TD (162.B5) (VM 81 A, 10/84->01/87)		4RV 008 188-101	
164 (164)	01/87->09/98		
2.5 TD (164.A1A) (VM 84 A); 2.5 TD (164.K2A, 164.K2B) (VM 08 B, VM 32 B)		4RV 008 188-131	after-glow capable
Audi			
80 (81, 85, B2)	08/78->08/86		
1.6 D (CR, JK); 1.6 TD (CY)		4RV 008 188-171	after-glow capable
80 (89, 89Q, 8A, B3)	06/86->10/91		
1.6 D (JK); 1.6 TD (RA, SB); 1.9 D (1Y)		4RV 008 188-171	after-glow capable
90 (81, 85, B2)	08/84->03/87		
1.6 TD (CY)		4RV 008 188-171	after-glow capable
100 (44, 44Q, C3)	08/82->11/90		
2.0 D Turbo (DE); 2.0 D Turbo (NC); 2.0 D (CN, 08/82->07/84); 2.4 D (3D); 2.5 TDI (1T)		4RV 008 188-171	after-glow capable
100 Avant (44, 44Q, C3)	08/82->11/90		
2.0 D (CN, 03/83->07/84); 2.0 TD (DE); 2.0 TD (NC); 2.4 D (3D); 2.5 TDI (1T)		4RV 008 188-171	after-glow capable
100 (4A, C4)	12/90->07/94		
2.4 D (AAS); 2.5 TDI (AAT, ABP)		4RV 008 188-171	after-glow capable
100 Avant (4A, C4)	12/90->07/94		
2.4 D (AAS); 2.5 TDI (AAT, ABP)		4RV 008 188-171	after-glow capable
Citroën			
AX (ZA-)	07/86->12/98		
14 D (K9Y (TUD3Y))		4RV 008 188-091	
		4RV 008 188-391	
14 D (K9A (TUD3))		4RV 008 188-091	
14 D (K9A (TUD3))		4RV 008 188-391	up to org. no. 05714
15 D (VJY (TUD5)); 15 D (VJZ (TUD5))		4RV 008 188-321	after-glow capable
Berlingo (MF)	07/96->		
1.9 D (MFDJY) (D9B)		4RV 008 188-301	after-glow capable
1.9 D (MFDJY) (DJY (XUD9A), D9B (XUD9A/L), 07/96->08/98)		4RV 008 188-321	after-glow capable
Berlingo Box (M)	07/96->		
1.8 D (MBA9A, MCA9A) (A9A)		4RV 008 188-301	after-glow capable
1.9 D (DJY (XUD9A), 07/96->08/98)		4RV 008 188-321	after-glow capable
BX (XB-)	10/82->06/94		
1.8 D (161 (XUD7))		4RV 008 188-391	
19 D (162 (XUD9), D9A (XUD9)); TRD Turbo (A8A (XUD7TE), AJZ (XUD7TE))		4RV 008 188-091	
		4RV 008 188-391	
1.8 D (161 (XUD7), 10/85->01/93); 19 D (D9B (XUD9A/U))		4RV 008 188-091	
BX Break (XB-)	04/83->12/94		
18 D (161A (XUD7)); TRD Turbo (A8A (XUD7TE), AJZ (XUD7TE))		4RV 008 188-391	
19 D (162 (XUD9), D9A (XUD9)); 19 D (D9B (XUD9A/U))		4RV 008 188-091	
		4RV 008 188-391	
TRD Turbo (A8A (XUD7TE), AJZ (XUD7TE), 03/88->01/93)		4RV 008 188-091	



Control Units, Glow Plug System

Citroën



Manufacturer Model Vehicle type	Model Year	Part no.	Note
Citroën			
CX II	07/85->12/92		
25 D Turbo (M25-648); 25 D Turbo (M25-669, 04/87->12/92); 25 D (M25-660)		4RV 008 188-081	
CX II Break	07/85->12/92		
25 D Turbo 2 (M25-669, 04/87->12/92); 25 D (M25-660, 05/86->06/88)		4RV 008 188-081	
C15 (VD-)	10/84->12/05		
1.8 D (161A (XUD7))		4RV 008 188-091 4RV 008 188-391	
Evasion (22, U6)	06/94->07/02		
1.9 TD (DHX (XUD9TF/BTF), D8B (XUD9TF))		4RV 008 188-281	equipment version DSX, after-glow capable
1.9 TD (DHX (XUD9TF/BTF), D8B (XUD9TF))		4RV 008 188-291	equipment version DV SX, after-glow capable
2.0 TDY		4RV 008 188-281	after-glow capable
Jumpy (U6U)	06/94->		
1.9 D (D9B)		4RV 008 188-301	after-glow capable
Saxo (S0, S1)	02/96->04/04		
1.5 D (VJY (TUD5)); 1.5 D (VJZ (TUD5))		4RV 008 188-321	after-glow capable
Visa	09/78->03/91		
17 D (161A (XUD7), 04/84->01/89)		4RV 008 188-091	
Xantia (X1)	03/93->01/98		
1.9 D (D9B (XUD9A/L)); 1.9 D (DJZ (XUD9Y)); 1.9 SD (DHW (XUD9SD))		4RV 008 188-311	equipment version Exclusive, Prestige, after-glow capable
1.9 D (D9B (XUD9A/L)); 1.9 D (DJZ (XUD9Y)); 1.9 Turbo D (DHY (XUD9TE/Y), DHX (XUD9TF/BTF))		4RV 008 188-321	after-glow capable
Xantia Break (X1)	06/95->01/98		
1.9 SD (DHW (XUD9SD))		4RV 008 188-311	equipment version Exclusive, Prestige, after-glow capable
1.9 Turbo D (D8B)		4RV 008 188-311	after-glow capable
1.9 Turbo D (DHX (XUD9TF/BTF), D8B (XUD9TF), DHY (XUD9TE/Y))		4RV 008 188-321	after-glow capable
Xantia (X2)	01/98->04/03		
1.9 Turbo D (DHY (XUD9TE/Y), DHX (XUD9TF/BTF), 01/98->08/98)		4RV 008 188-321	after-glow capable
Xsara (N1)	04/97->03/05		
1.5 D (VJZ (TUD5)); 1.8 D (161A (XUD7), A9A (XUD7)); 1.8 TDY; 1.9 D (DJY (XUD9A)); 1.9 TD (DHY (XUD9TE/Y))		4RV 008 188-321	after-glow capable
Xsara Break (N2)	10/97->08/05		
1.8 D (A9A (XUD7)); 1.9 D (DJY (XUD9A)); 1.9 TD (DHY (XUD9TE/Y))		4RV 008 188-321	after-glow capable
ZX (N2)	03/91->10/97		
1.8 D (A9A, 161A, 06/95->06/97)		4RV 008 188-311	after-glow capable
1.9 D (DJZ (XUD9Y), 07/92->06/97)		4RV 008 188-311	equipment version Aura, Avantage, Volc, after-glow capable
1.9 D (D9B, 06/95->06/97)		4RV 008 188-301	after-glow capable
1.9 TD (DHY (XUD9TE/Y))		4RV 008 188-281	after-glow capable
ZX Break (N2)	10/93->02/98		
1.8 D (A9A, 161A, 06/95->10/97)		4RV 008 188-311	after-glow capable
1.9 D (DJZ (XUD9Y))		4RV 008 188-311	equipment version Aura, Avantage, Volc, after-glow capable
1.9 D (D9B)		4RV 008 188-301	after-glow capable
1.9 TD (DHY (XUD9TE/Y))		4RV 008 188-281	after-glow capable
C25 Bus (280 , 290)	07/81->02/94		
1.9 D (D9B (XUD9A/U), 07/87->01/94)		4RV 008 188-091	
1.9 D (D9B (XUD9A/U)); 2.5 D 4x4 (CRD93L (U25-661)); 2.5 D Turbo 4x4 (CRD93LS (U25-673)); 2.5 D Turbo (CRD93LS (U25-673)); 2.5 D (CRD93L (U25-661))		4RV 008 188-391	
2.5 D 4x4 (CRD93L (U25-661), 01/87->01/94); 2.5 D Turbo 4x4 (CRD93LS (U25-673), 08/87->01/94); 2.5 D Turbo (CRD93LS (U25-673), 08/87->01/94); 2.5 D (CRD93L (U25-661), 10/85->01/87)		4RV 008 188-081	
Jumper Bus (230P)	02/94->04/02		
2.5 D 4x4 (T9A (DJ5)); 2.5 D (T9A (DJ5)); 2.5 TD 4x4 (T8A (DJ5T)); 2.5 TD (T8A (DJ5T)); 2.5 TDi (THX (DJ5TED))		4RV 008 188-321	after-glow capable



Control Units, Glow Plug System

Citroën - Fiat



1

Manufacturer Model Vehicle type	Model Year	Part no.	Note
Citroën			
Jumper Box (230L)	02/94->04/02		
2.5 D (8144.61); 2.5 TD (8144.61)		4RV 008 188-321	after-glow capable
Jumper Flatbed/Chassis (230)	03/94->04/02		
2.5 D (8144.61); 2.5 TD (8144.61)		4RV 008 188-321	after-glow capable
Fiat			
Argenta (132A)	05/77->03/87		
2500 Diesel (8144.61)		4RV 008 188-091	
Croma (154)	12/85->12/96		
2500 D (8144.67, 01/89->12/89)		4RV 008 188-091	
Fiorino (147)	01/80->04/88		
1.3 Diesel (127 A5.000, 07/85->12/87); 1.7 Diesel (149 B2.000); 1.7 Diesel (149 B3.000)		4RV 008 188-111	after-glow capable
Fiorino Pick up (147)	10/82->12/88		
1.3 D (127 A5.000, 07/85->12/88)		4RV 008 188-111	after-glow capable
Panda (141A_)	03/80->07/04		
1300 D (156 A5.000, 04/86->12/89)		4RV 008 188-111	after-glow capable
Punto Van (176L)	04/96->02/00		
1.7 D (176 B3.000)		4RV 008 188-291	after-glow capable
Ritmo II (138A)	10/82->12/88		
60 Diesel 1.7 (138 B6.000); 60 Diesel 1.7 (149 B3.000, 138 C.000)		4RV 008 188-111	after-glow capable
Scudo Combinato (220P)	02/96->		
1.9 D (D9B); 1.9 D (WJZ (DW8))		4RV 008 188-301	after-glow capable
Tipo (160)	07/87->04/95		
1.7 D (160.AG)Y; 1.7 D (160.AG) (149 B4.000)		4RV 008 188-311	after-glow capable
Ulysse (220)	06/94->08/02		
1.9 TD (220AH5) (DHX (XUD9TF/L))		4RV 008 188-281	after-glow capable
131	10/74->12/86		
2.0 D (8144.65); 2.5 Diesel (8144.61)		4RV 008 188-091	
Ducato Panorama (280)	07/82->08/90		
2.4 D (8144.61); 2.5 D 4x4 (8144.67); 2.5 D (8144.67, CRD93L (U25-661)); 2.5 TD 4x4 (8144.21); 2.5 TD (8144.21)		4RV 008 188-091	
Ducato Box (280)	01/82->08/90		
2.5 D 4x4 (8144.67); 2.5 D (8144.67, CRD93L (U25-661))		4RV 008 188-091	
Ducato Flatbed/Chassis (280)	07/82->08/90		
2.5 D 4x4 (8144.67); 2.5 D (8144.67, CRD93L (U25-661), 01/86->08/90); 2.5 TD (8144.21)		4RV 008 188-091	
Ducato Panorama (290)	01/90->05/94		
2.5 D 4x4 (8144.67); 2.5 D (8144.67); 2.5 TD 4x4 (8140.27); 2.5 TD (8140.27)		4RV 008 188-091	
Ducato Box (290)	03/89->05/94		
2.5 D 4x4 (8144.67); 2.5 TD 4x4 (8140.27); 2.5 TD (8140.27)		4RV 008 188-091	
Ducato Flatbed/Chassis (290)	03/89->05/94		
2.5 D (8144.67)		4RV 008 188-091	
Ducato Bus (230)	03/94->04/02		
2.5 D Combinato (8140.67)		4RV 008 188-091	
Ducato Box (230L)	03/94->04/02		
2.5 D (8140.67)		4RV 008 188-091	
Ducato Flatbed/Chassis (230)	03/94->04/02		
2.5 D (8140.67)		4RV 008 188-091	



Control Units, Glow Plug System

Ford



Manufacturer Model Vehicle type	Model Year	Part no.	Note
Ford			
Escort IV (GAF, AWF, ABFT)	10/85->10/90		
1.8 D (RTA, RTB)		4RV 008 188-221	after-glow capable
Escort IV Estate (AWF, AVF)	10/85->10/90		
1.8 D (RTA, RTB)		4RV 008 188-221	after-glow capable
Escort V (GAL)	07/90->12/92		
1.8 D (RTE, RTF, RTH)		4RV 008 188-221	after-glow capable
Escort V Estate (GAL, AVL)	07/90->12/92		
1.8 D (RTE, RTF, RTH)		4RV 008 188-221	after-glow capable
Escort VI (GAL)	09/92->01/95		
1.8 D (RTE, RTF, RTH); 1.8 TD (RFD, RFK, RFS)		4RV 008 188-401	after-glow capable
Escort VI Saloon (GAL)	08/93->01/95		
1.8 TD (RFD, RFK)		4RV 008 188-401	after-glow capable
Escort VI Estate (GAL)	09/92->01/95		
1.8 D (RTH)		4RV 008 188-221	after-glow capable
1.8 D (RTH, 08/93->01/95); 1.8 TD (RFD, RFK)		4RV 008 188-401	after-glow capable
Escort VII (GAL, AAL, ABL)	01/95->10/98		
1.8 D (RTE, RTF, RTH); 1.8 Turbo D (RVA)		4RV 008 188-221	after-glow capable
		4RV 008 188-401	after-glow capable
1.8 TD (RFD, RFK)		4RV 008 188-401	after-glow capable
Escort VII Saloon (GAL, AFL)	01/95->02/99		
1.8 D (RTE, RTF, RTH); 1.8 Turbo D (RVA)		4RV 008 188-221	after-glow capable
		4RV 008 188-401	after-glow capable
Escort VII Estate (GAL, ANL)	01/95->02/99		
1.8 D (RTH, RTF, RTE); 1.8 TD (RFD, RFK)		4RV 008 188-401	after-glow capable
1.8 Turbo D (RVA)		4RV 008 188-221	after-glow capable
		4RV 008 188-401	after-glow capable
Escort VII Convertible (ALL)	02/95->08/00		
1.8 Turbo D (RVA)		4RV 008 188-221	after-glow capable
		4RV 008 188-401	after-glow capable
1.8 TD (RFD, RFK)		4RV 008 188-401	after-glow capable
Escort Classic (AAL, ABL)	10/98->07/00		
1.8 TD (RFD, RFK)		4RV 008 188-401	after-glow capable
Escort Estate (ANL)	02/99->07/00		
1.8 TD (RFD, RFK)		4RV 008 188-401	after-glow capable
Escort '86 Express (AVF)	02/86->07/90		
1.8 D (RTA, RTB)		4RV 008 188-221	after-glow capable
Escort '91 Express (AVL)	07/90->12/94		
1.8 D (RTH)		4RV 008 188-221	after-glow capable
		4RV 008 188-401	after-glow capable
Escort '95 Express (AVL)	01/95->		
1.8 D (RTF, RTH)		4RV 008 188-221	after-glow capable
		4RV 008 188-401	after-glow capable
1.8 Turbo D (RVA)		4RV 008 188-401	after-glow capable
Fiesta III (GFJ)	01/89->01/97		
1.8 D (RTD, RTG, RTC)		4RV 008 188-221	after-glow capable
Fiesta IV (JA_, JB_)	08/95->01/02		
1.8 D (RTK, RTJ)		4RV 008 188-211	after-glow capable
Fiesta Box (F3L, F5L)	07/91->02/96		
1.8 D (RTD, RTG, RTC)		4RV 008 188-221	after-glow capable
		4RV 008 188-401	after-glow capable
Fiesta Box (J5_, J3_)	02/96->		
1.8 D (RTK)		4RV 008 188-211	after-glow capable
Fiesta Box (JV_)	05/98->		
D 1.8 (RTK, RTJ)		4RV 008 188-211	after-glow capable



Control Units, Glow Plug System

Ford - Mercedes-Benz



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Manufacturer Model Vehicle type	Model Year	Part no.	Note
Ford			
Mondeo I (GBP)	02/93->08/96		
1.8 TD (RFM, RFN); 1.8 TD (RFN, RFM)		4RV 008 188-401	after-glow capable
Mondeo I Saloon (GBP)	02/93->08/96		
1.8 TD (RFM, RFN); 1.8 TD (RFN, RFM)		4RV 008 188-401	after-glow capable
Mondeo I Estate (BNP)	01/93->08/96		
1.8 TD (RFM, RFN); 1.8 TD (RFN, RFM)		4RV 008 188-401	after-glow capable
Orion II (AFF)	12/85->07/90		
1.8 D (RTA, RTB)		4RV 008 188-221	after-glow capable
Orion III (GAL)	07/90->12/93		
1.8 D (RTE, RTF, RTH)		4RV 008 188-221	after-glow capable
Scorpio I (GAE, GGE)	04/85->09/94		
2.5 D (STR)		4RV 008 188-161	
Scorpio I Estate (GGE)	05/88->09/94		
2.5 TD (SCB); 2.5 TD (SFA, SFB)		4RV 008 188-161	
Sierra Hatchback (GBC)	08/82->02/87		
2.3 D (YTT)		4RV 008 188-161	
Sierra Estate (BNC)	08/82->12/86		
2.3 D (YTT)		4RV 008 188-161	
Sierra Hatchback (GBC, GBG)	01/87->03/93		
2.3 D (YTR)		4RV 008 188-161	
Sierra (GBG, GB4)	01/87->02/93		
2.3 D (YTR, YTT)		4RV 008 188-161	
Sierra Estate (BNG)	01/87->02/93		
2.3 D (YTR)		4RV 008 188-161	
Lancia			
Dedra (835)	01/89->07/99		
1.9 TDS (835EE, 835EF) (835 A4.000, 160 D1.000, 835 A4.046, 07/95->07/99)		4RV 008 188-311	after-glow capable
Dedra SW (835)	07/94->07/99		
1.9 TDS (835EE, 835EF) (835 A4.000, 160 D1.000, 07/95->07/99)		4RV 008 188-311	after-glow capable
Delta II (836)	06/93->09/99		
1.9 TD (836AM, 836AN) (160 D1.000, 835 A4.000, 07/95->08/99)		4RV 008 188-311	after-glow capable
Mercedes-Benz			
190 (W201)	10/82->08/93		
E 2.0 (201.024) (M 102.961, M 102.962)		4RV 008 188-371	after-glow capable
D 2.0 (201.122) (OM 601.911, 02/89->08/89)		4RV 008 188-011	
D 2.0 (201.122) (OM 601.911); D 2.0 (201.122) (OM 601.911, 08/83->01/89)		4RV 008 188-051	after-glow capable
D 2.5 (201.126) (OM 602.911, 04/85->01/89)		4RV 008 188-021	
D 2.5 (201.126) (OM 602.911); D 2.5 (201.126) (OM 602.911, 02/89->08/93)		4RV 008 188-061	after-glow capable
C-Class (W202)	03/93->05/00		
C 200 D (202.120) (OM 601.913, 03/93->08/95)		4RV 008 188-051	after-glow capable
C 220 D (202.121) (OM 604.910); C 250 D (202.125) (OM 605.910)		4RV 008 188-421	from chas. no. F 190066, A 218853, after-glow capable
C 220 D (202.121) (OM 604.910); C 250 Turbo-D (202.128) (OM 605.960)		4RV 008 188-421	after-glow capable
C-Class T-Model (S202)	06/96->03/01		
C 220 T D (202.182) (OM 604.910); C 250 T Turbo-D (202.188) (OM 605.960)		4RV 008 188-421	after-glow capable
Saloon (W124)	12/84->06/93		
200 D (124.120) (OM 601.912)		4RV 008 188-001	
		4RV 008 188-371	after-glow capable
200 D (124.120) (OM 601.912, 12/84->01/89)		4RV 008 188-011	
200 D (124.120) (OM 601.912, 02/89->08/89)		4RV 008 188-041	after-glow capable



Control Units, Glow Plug System

Mercedes-Benz



Manufacturer Model Vehicle type	Model Year	Part no.	Note
Mercedes-Benz			
Saloon (W124)	12/84->06/93		
200 D (124.120) (OM 601.912)		4RV 008 188-001	
		4RV 008 188-011	
		4RV 008 188-041	after-glow capable
		4RV 008 188-371	after-glow capable
250 D (124.125) (OM 602.912, 02/89->06/93)		4RV 008 188-021	
250 D (124.125) (OM 602.912, 01/89->06/93); 300 D (124.130) (OM 603.912, 02/89->08/89)		4RV 008 188-061	after-glow capable
250 D (124.125) (OM 602.912)		4RV 008 188-371	after-glow capable
250 D (124.125) (OM 602.912)		4RV 008 188-061	after-glow capable
		4RV 008 188-371	after-glow capable
300 D (124.130) (OM 603.912, 12/84->01/89); 300 D 4-matic (124.330) (OM 603.913, 08/89->08/90); 300 D 4-matic (124.330) (OM 603.913, 09/86->08/90)		4RV 008 188-031	
300 D (124.130) (OM 603.912); 300 D 4-matic (124.330) (OM 603.913); 300 D 4-matic (124.330) (OM 603.913, 02/89->08/92)		4RV 008 188-071	after-glow capable
T-Model (S124)	09/85->06/93		
200 T D (124.180) (OM 601.912)		4RV 008 188-001	
		4RV 008 188-371	after-glow capable
200 T D (124.180) (OM 601.912, 02/89->08/91)		4RV 008 188-041	after-glow capable
250 T D (124.185) (OM 602.912)		4RV 008 188-371	after-glow capable
300 T D (124.190) (OM 603.912, 02/89->06/93)		4RV 008 188-011	
		4RV 008 188-071	after-glow capable
300 T D (124.190) (OM 603.912, 01/89->01/89); 300 T D (124.190) (OM 603.912, 09/86->01/89)		4RV 008 188-031	
200 T D (124.180) (OM 601.912, 09/85->01/89); 200 T D (124.180) (OM 601.912, 09/88->01/89); 300 T Turbo-D (124.193) (OM 603.960, 02/89->06/93); 300 T Turbo-D 4-matic (124.393) (OM 603.960, 02/89->06/93)		4RV 008 188-011	
G-Class (W460)	03/79->08/93		
240 GD (460,3) (OM 616.936)		4RV 008 188-001	
		4RV 008 188-371	after-glow capable
250 GD (460,3) (OM 602.930); 300 GD (460,3) (OM 617.931)		4RV 008 188-371	after-glow capable
G-Class (W463)	09/89->		
300 GD (463.327, 463.328) (OM 603.931)		4RV 008 188-071	after-glow capable
G-Class Open Off-Road Vehicle (W463)	04/80->07/93		
300 GD (463.307) (OM 603.931)		4RV 008 188-071	after-glow capable
100 Bus (631)	02/88->02/96		
D (631.333, 631.343, 631.334, 631.344) (OM 616, OM 616.963); D (631.333, 631.343, 631.334, 631.344) (OM 616.963)		4RV 008 188-051	after-glow capable
100 Box (631)	02/88->02/96		
D (631.332, 631.342) (OM 616.963)		4RV 008 188-051	after-glow capable
100 Flatbed/Chassis (631)	02/88->02/96		
all vehicle types		4RV 008 188-051	after-glow capable
V-Class (638/2)	02/96->07/03		
V 230 TD (638.274) (OM 601.970)		4RV 008 188-371	after-glow capable
Vito Bus (638)	02/96->07/03		
113 2.0 (638.114) (M 111.948); 114 2.3 (638.134) (M 111.978)		4RV 008 188-051	after-glow capable
108 D 2.3 (638.164) (OM 601.942); 110 TD 2.3 (638.174) (OM 601.970)		4RV 008 188-051	after-glow capable
		4RV 008 188-371	after-glow capable
Vito Box (638)	03/97->07/03		
113 2.0 (638.014) (M 111.948); 114 2.3 (638.034) (M 111.978)		4RV 008 188-051	after-glow capable
108 D 2.3 (638.064) (OM 601.942); 110 D 2.3 (638.074) (OM 601.970)		4RV 008 188-051	after-glow capable
		4RV 008 188-371	after-glow capable
T1 Bus (601)	05/77->02/96		
207 D 2.4 (OM616.937, 939, 07/82->01/89); 208 D 2.3 (OM 601.940)		4RV 008 188-001	
207 D 2.4 (OM 616.937, OM 616.939, 07/82->01/89); 208 D 2.3 (OM 601.940, 10/88->06/95); 209 D 2.9 (OM 617.913, 12/82->01/89); 210 D 2.8 (OM 602.940, 11/88->06/95)		4RV 008 188-371	after-glow capable



Control Units, Glow Plug System

Mercedes-Benz



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Manufacturer Model Vehicle type	Model Year	Part no.	Note
Mercedes-Benz			
T1 Bus (601)	05/77->02/96		
209 D 2.9 (OM 617.913, 12/82->12/89)		4RV 008 188-021	
209 D 2.9 (OM 617.913, 01/89->01/90)		4RV 008 188-061	after-glow capable
T1 Box (601)	05/77->02/96		
208 D 2.3 (OM 601.940, 10/88->06/95); 208 D 2.3 (OM 601.940, 11/88->06/95)		4RV 008 188-001 4RV 008 188-371	after-glow capable
207 D 2.4 (OM 616.937, 939, 09/82->01/89)		4RV 008 188-001	
207 D 2.4 (OM 616.937, OM 616.939, 09/82->01/89); 209 D 2.9 (OM 617.913, 12/82->01/89); 210 D 2.8 (OM 602.940, 10/88->06/95)		4RV 008 188-371	after-glow capable
209 D 2.9 (OM 617.913, 12/82->12/89)		4RV 008 188-021	
209 D 2.9 (OM 617.913, 01/89->01/90)		4RV 008 188-061	after-glow capable
T1 Flatbed/Chassis (601)	01/77->02/96		
208 D 2.3 (OM 601.940, 06/89->06/95); 208 D 2.3 (OM 601.940, 11/88->06/95)		4RV 008 188-001 4RV 008 188-371	after-glow capable
207 D 2.4 (OM 616.937, 939, 09/82->01/89)		4RV 008 188-001	
209 D 2.9 (OM 617.913, 12/82->12/89)		4RV 008 188-021	
209 D 2.9 (OM 617.913, 01/89->01/90)		4RV 008 188-061	after-glow capable
207 D 2.4 (OM 616.937, OM 616.939, 09/82->01/89); 209 D 2.9 (OM 617.913, 12/82->01/89); 210 D 2.8 (OM 602.940, 11/88->06/95); 210 D 2.9 (OM 602.940, 11/88->06/95)		4RV 008 188-371	after-glow capable
T1 Bus (602)	04/77->02/96		
308 D 2.3 (OM 601.940, 05/90->06/95); 308 D 2.3 (OM 601.940, 06/89->06/95); 310 D 2.9 (OM 602.940, 06/89->06/95); 310 D 2.9 (OM 602.940, 06/90->06/95)		4RV 008 188-371	after-glow capable
T1 Box (602)	10/82->02/96		
308 D 2.3 (OM 601.940, 06/89->06/95); 308 D 2.3 (OM 601.940, 11/88->06/95); 310 D 2.9 (OM 602.940, 06/89->06/95)		4RV 008 188-371	after-glow capable
307 D 2.4 (OM 616.937, OM 616.939, 10/82->01/89)		4RV 008 188-001 4RV 008 188-371	after-glow capable
309 D 3.0 (OM 617.913, 10/82->01/89)		4RV 008 188-021 4RV 008 188-371	after-glow capable
309 D 3.0 (OM 617.913, 01/89->01/90)		4RV 008 188-061	after-glow capable
T1 Flatbed/Chassis (602)	04/77->02/96		
307 D 2.4 (OM 616.937, OM 616.939, 06/82->01/89) 307 D 2.4 (OM 616.937, OM 616.939, 09/82->01/89); 308 D 2.3 (OM 601.940, 06/89->06/95); 310 D 2.9 (OM 602.940, 06/89->06/95)		4RV 008 188-001 4RV 008 188-371	after-glow capable
309 D 3.0 (OM 617.913, 10/82->01/89)		4RV 008 188-021 4RV 008 188-371	after-glow capable
309 D 3.0 (OM 617.913, 01/89->01/90)		4RV 008 188-061	after-glow capable
Sprinter 2-t Bus (901, 902)	01/95->05/06		
208 D (OM 601.943) 210 D (OM 602.980)		4RV 008 188-011 4RV 008 188-371	after-glow capable
Sprinter 2-t Box (901, 902)	01/95->05/06		
208 DY; 208 D (OM 601.943) 210 D (OM 602.980)		4RV 008 188-011 4RV 008 188-371	after-glow capable
Sprinter 2-t Flatbed/Chassis (901, 902)	01/95->05/06		
208 DY; 208 D (OM 601.943) 210 D (OM 602.980)		4RV 008 188-011 4RV 008 188-371	after-glow capable
Sprinter 3-t Bus (903)	01/95->05/06		
308 D (OM 601.943); 310 D 4x4 (OM 602.980)		4RV 008 188-371	after-glow capable
Sprinter 3-t Box (903)	01/95->05/06		
308 D 2.3Y; 308 D 2.3 (OM 601.943); 310 D 2.9 (OM 602.980)		4RV 008 188-371	after-glow capable



Control Units, Glow Plug System

Mercedes-Benz - Peugeot



Manufacturer Model Vehicle type	Model Year	Part no.	Note
Mercedes-Benz			
Sprinter 3-t Flatbed/Chassis (903)	01/95->05/06		
308 D 2.3Y; 308 D 2.3 (OM 601.943); 310 D 2.9 (OM 602.980)		4RV 008 188-371	after-glow capable
Opel			
Ascona C CC (84_, 89_)	09/81->08/88		
1.6 D (16 D, 16 DA)		4RV 008 188-161	
Ascona C (81_, 86_, 87_, 88_)	09/81->10/88		
1.6 D (16 D, 16 DA)		4RV 008 188-161	
Astra F CC (53_, 54_, 58_, 59_)	09/91->01/98		
1.7 D (17 D); 1.7 D (17 DR)		4RV 008 188-161	
Astra F (56_, 57_)	09/91->09/98		
1.7 D (17 D); 1.7 D (17 DR)		4RV 008 188-161	
Astra F Estate (51_, 52_)	09/91->01/98		
1.7 D (17 D); 1.7 D (17 DR)		4RV 008 188-161	
Kadett E CC (33_, 34_, 43_, 44_)	09/84->08/91		
1.6 D (16 D, 16 DA); 1.7 D (17 D)		4RV 008 188-161	
Kadett E (39_, 49_)	09/84->08/91		
1.6 D (16 D, 16 DA); 1.7 D (17 D)		4RV 008 188-161	
Kadett E Estate (35_, 36_, 45_, 46_)	09/84->08/91		
1.6 D (16 D, 16 DA); 1.7 D (17 D)		4RV 008 188-161	
Kadett E Box (37_, 47_)	08/84->09/92		
1.6 D (16 D, 16 DA); 1.7 D (17 D)		4RV 008 188-161	
Kadett E Combo (38_, 48_)	01/86->07/94		
1.6 D (16 DA, 01/86->01/89); 1.7 D (17 D)		4RV 008 188-161	
Omega A (16_, 17_, 19_)	09/86->05/94		
2.3 D (23 YD); 2.3 TD Interc. (23 DTR); 2.3 TD (23 YDT)		4RV 008 188-161	
Omega A Estate (66_, 67_)	09/86->05/94		
2.3 D (23 YD, 10/86->03/94); 2.3 TD Interc. (23 DTR); 2.3 TD (23 YDT, 10/86->08/88)		4RV 008 188-161	
Rekord E (17_-19_, 11_, 14_, 16_)	08/77->08/86		
2.2 D (23 D); 2.2 D (23 D, 08/78->01/82); 2.2 TD (23 TD)		4RV 008 188-161	
Rekord E Estate (61_, 66_, 67_)	08/77->08/86		
2.2 D (23 D, 08/78->01/82); 2.2 TD (23 TD); 2.3 D (23 D)		4RV 008 188-161	
Senator A (29_)	02/78->08/87		
2.2 TD (23 TD)		4RV 008 188-161	
Vectra A CC (88_, 89_)	04/88->11/95		
1.7 D (17 D)		4RV 008 188-161	
Vectra A (86_, 87_)	08/88->11/95		
1.7 D (17 D)		4RV 008 188-161	
Peugeot			
106 I (1A, 1C)	08/91->04/96		
1.5 DY; 1.5 D (VJY (TUD5))		4RV 008 188-321	after-glow capable
106 II (1)	04/96->		
1.5 D (VJY (TUD5))		4RV 008 188-321	after-glow capable
205 I (741A/C)	02/83->10/87		
1.7 Diesel (161A (XUD7))		4RV 008 188-091 4RV 008 188-391	
205 II (20A/C)	01/87->09/98		
1.7 Diesel (161A (XUD7))		4RV 008 188-091 4RV 008 188-391	



Control Units, Glow Plug System

Peugeot



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Manufacturer Model Vehicle type	Model Year	Part no.	Note
Peugeot			
205 II (20A/C)	01/87->09/98		
1.7 TD (A8B (XUD7TE))		4RV 008 188-391	
1.7 TD (A8B (XUD7TE), 01/90->08/98); 1.9 Diesel (DJZ (XUD9Y), 10/87->08/98)		4RV 008 188-091	
205 Box	03/94->		
1.7 Diesel (161A (XUD7))		4RV 008 188-391	
305 II (581M)	10/82->07/90		
1.9 D (162 (XUD9)); 1.9 D (162 (XUD9), D9A (XUD9))		4RV 008 188-091	
305 II Break (581E)	10/82->07/90		
1.9 Diesel (162 (XUD9)); 1.9 Diesel (162 (XUD9), D9A (XUD9))		4RV 008 188-091	
306 Hatchback (7A, 7C, N3, N5)	04/93->08/01		
1.8 D (XUD7); 1.9 D (XUD9A)		4RV 008 188-301	after-glow capable
1.9 D (DJY (XUD9A), 06/94->08/98); 1.9 D (DJZ (XUD9Y), 05/93->08/98)		4RV 008 188-321	after-glow capable
1.9 DT (XUD9TE)		4RV 008 188-281	after-glow capable
306 (7B, N3, N5)	04/93->05/01		
1.9 SLD (DJY (XUD9A), 06/94->08/98); 1.9 SLD (DJZ (XUD9Y), 06/94->08/98)		4RV 008 188-321	after-glow capable
1.9 SLD (XUD9A, 07/95->05/01)		4RV 008 188-301	after-glow capable
1.9 SRDT (XUD9TE)		4RV 008 188-281	after-glow capable
306 Break (7E, N3, N5)	06/94->04/02		
1.9 D (XUD9A)		4RV 008 188-301	after-glow capable
1.9 D (DJY (XUD9A), 03/97->08/98)		4RV 008 188-321	after-glow capable
309 I (10C, 10A)	10/85->12/89		
1.9 D (162 (XUD9), D9A (XUD9))		4RV 008 188-091 4RV 008 188-391	
309 II (3C, 3A)	07/89->12/93		
1.8 Diesel (161A (XUD7)); 1.8 TD (A8B (XUD7TE)); 1.9 Diesel (162 (XUD9), D9A (XUD9), DJZ (XUD9Y))		4RV 008 188-091 4RV 008 188-391	
405 I (15B)	01/87->12/93		
1.8 Turbo Diesel (A8A (XUD7TE), AJZ (XUD7TEY)); 1.9 Diesel (D9B (XUD9A), 03/88->01/92)		4RV 008 188-091	
1.9 Diesel (D9B (XUD9A), 07/89->12/92); 1.9 Diesel (DJZ (XUD9Y), 07/89->09/92)		4RV 008 188-391	
405 I Break (15E)	06/87->08/92		
1.8 TD (A8A (XUD7TE), AJZ (XUD7TEY), 10/88->01/92); 1.9 D (D9B (XUD9A), DJY (XUD9A), 10/88->01/92)		4RV 008 188-091	
1.8 TD (A8A (XUD7TE), AJZ (XUD7TEY), 07/89->08/92); 1.9 D (D9B (XUD9A), DJY (XUD9A), 07/89->08/92); 1.9 D (DJZ (XUD9Y), 07/89->08/92)		4RV 008 188-391	
405 II (4B)	08/92->10/95		
1.9 D (DJZ (XUD9Y), 07/94->10/95)		4RV 008 188-321	after-glow capable
1.9 D (DJY (XUD9A))		4RV 008 188-091	
1.9 D (XUD9A, 07/95->10/95)		4RV 008 188-301	after-glow capable
1.9 TD (XUD9TE)		4RV 008 188-281	after-glow capable
405 II Break (4E)	08/92->10/96		
1.9 D (DJY (XUD9A)); 1.9 D (DJZ (XUD9Y), 07/94->10/96)		4RV 008 188-321	after-glow capable
1.9 D (XUD9A, 07/95->10/96)		4RV 008 188-301	after-glow capable
1.9 TD (XUD9TE)		4RV 008 188-281	after-glow capable
504 (A_, M_)	07/68->07/86		
1.9 D (M20) (XD4x88, 06/78->07/86); 2.1 D (A20, M20) (XD4x90, 06/78->04/81); 2.3 D (A40, A45) (134 (XD2), 06/78->04/81)		4RV 008 188-081	
2.1 D (A20, M20) (XD4x90, 05/81->09/81); 2.3 D (A40, A45) (134 (XD2), 05/81->12/83)		4RV 008 188-091	
504 Break (D_, F_)	04/71->07/86		
2.1 D (E20, F20) (XD4x90, 06/78->04/81); 2.3 D (D40, F40) (134 (XD2), 06/78->04/81)		4RV 008 188-081	
2.1 D (E20, F20) (XD4x90, 05/81->09/81); 2.3 D (D40, F40) (134 (XD2), 05/81->07/86)		4RV 008 188-091	



Control Units, Glow Plug System

Peugeot



Manufacturer Model Vehicle type	Model Year	Part no.	Note
Peugeot			
505 (551A)	05/79->12/93		
2.3 Turbo Diesel (147 (XD2S), 09/80->08/81)		4RV 008 188-081	
2.3 Turbo Diesel (147 (XD2S), 09/81->06/86); 2.5 Diesel (155 (XD3));		4RV 008 188-091	
2.5 Turbo Diesel (152A (XD3T), 10/83->01/92);			
2.5 Turbo Diesel (CRD93L, CRD93LS (U25/673))			
505 Break (551D)	04/82->12/93		
2.3 Diesel (147 (XD2S)); 2.5 Diesel (155 (XD3), 01/86->01/92);		4RV 008 188-091	
2.5 Diesel (155 (XD3), 08/83->01/92); 2.5 Turbo Diesel (152A (XD3T))			
604 (561A_)	08/77->07/87		
2.3 TD (147 (XD2S), 09/79->09/81)		4RV 008 188-081	
2.3 TD (147 (XD2S), 10/81->05/83); 2.5 TD (152A (XD3T))		4RV 008 188-091	
605 (6B)	06/89->09/99		
2.1 D (P9A (XUD11A)); 2.1 TD 12V (P8C (XUD11BTE), 08/94->08/98);		4RV 008 188-091	
2.1 Turbo Diesel (PHZ (XUD11ATE))			
806 (221)	06/94->08/02		
1.9 TD (XUD9TE)		4RV 008 188-281	after-glow capable
Partner Combispacer (5F)	05/96->		
1.9 D (XUD9A)		4RV 008 188-301	after-glow capable
1.9 D (DJY (XUD9A), 06/96->08/98)		4RV 008 188-321	after-glow capable
Partner Box (5)	04/96->		
1.9 D (XUD9A)		4RV 008 188-301	after-glow capable
1.9 D (DJY (XUD9A), 06/96->08/98)		4RV 008 188-321	after-glow capable
Boxer Bus (230P)	03/94->04/02		
1.9 D (XUD9D)		4RV 008 188-301	after-glow capable
2.5 D 4x4 (T9A (DJ5)); 2.5 D (T9A (DJ5)); 2.5 TD 4x4 (T8A (DJ5T));		4RV 008 188-321	after-glow capable
2.5 TD (T8A (DJ5T))			
Boxer Box (230L)	03/94->04/02		
1.9 D (XU9D, 07/95->04/02)		4RV 008 188-301	after-glow capable
2.5 D (T9A (DJ5)); 2.5 TD (T8A (DJ5T))		4RV 008 188-321	after-glow capable
Boxer Flatbed/Chassis (ZCT_)	03/94->04/02		
2.5 D (T9A (DJ5)); 2.5 TD (T8A (DJ5T))		4RV 008 188-321	after-glow capable
J5 Bus (280P)	09/81->09/90		
2.5 D (CRD93 (U25/661))		4RV 008 188-081	
J5 Flatbed/Chassis (280L)	09/81->09/90		
2.5 D (CRD93 (U25/661))		4RV 008 188-081	
J5 Bus (290P)	09/90->03/94		
2.5 D 4x4 (CRD93 (U25/661), 10/90->06/91);		4RV 008 188-081	
2.5 D (CRD93 (U25/661), 10/90->06/91);			
2.5 TD 4x4 (CRD93LS (U25/673), 10/90->06/91);			
2.5 TD (CRD93LS (U25/673), 10/90->06/91)			
1.9 D (D9B (XUD9A), 10/90->01/94); 2.5 D 4x4 (CRD93 (U25/661), 07/91->);		4RV 008 188-091	
2.5 D (CRD93 (U25/661), 07/91->);			
2.5 TD 4x4 (CRD93LS (U25/673), 07/91->);			
2.5 TD (CRD93LS (U25/673), 07/91->)			
J5 Box (290L)	09/90->03/94		
2.5 D 4x4 (CRD93 (U25/661), 10/90->06/91);		4RV 008 188-081	
2.5 TD 4x4 (CRD93LS (U25/673), 10/90->06/91)			
1.9 D (D9B (XUD9A), 10/90->01/94); 2.5 D 4x4 (CRD93 (U25/661), 07/91->);		4RV 008 188-091	
2.5 TD 4x4 (CRD93LS (U25/673), 07/91->)			
J5 Flatbed/Chassis (290L)	09/90->03/94		
2.5 D 4x4 (CRD93 (U25/661), 10/90->06/91);		4RV 008 188-081	
2.5 D (CRD93 (U25/661), 10/90->06/91);			
2.5 TD 4x4 (CRD93LS (U25/673), 10/90->06/91);			
2.5 TD (CRD93LS (U25/673), 10/90->06/91)			
1.9 D (D9B (XUD9A), 10/90->01/94); 2.5 D 4x4 (CRD93 (U25/661), 07/91->);		4RV 008 188-091	
2.5 D (CRD93 (U25/661), 07/91->);			
2.5 TD 4x4 (CRD93LS (U25/673), 07/91->);			
2.5 TD (CRD93LS (U25/673), 07/91->)			



Control Units, Glow Plug System

Puch - Renault



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Manufacturer Model Vehicle type	Model Year	Part no.	Note
Puch			
G-Class (W463)	09/89->		
300 GD (OM 603.931)		4RV 008 188-071	after-glow capable
Renault			
Espace I (J11)	07/84->12/92		
2.1 TD (J/S115) (J8S 240, J8S 774, 01/85->12/90)		4RV 008 188-101	
Espace II (J/S63)	01/91->12/96		
2.1 TD (J633, J634, J/S635, J/S63D) (J8S 610)		4RV 008 188-101	
Fuego (136)	02/80->11/92		
2.1 TD (J8S 712, 08/82->07/84)		4RV 008 188-091	
Laguna (B56 , 556)	11/93->03/01		
2.2 D (B56F/2) (G8T 706, G8T 752, G8T 790, G8T 794, 09/94->03/01)		4RV 008 188-251	after-glow capable
Laguna Grandtour (K56)	09/95->03/01		
2.2 D (K56F/2, S56F) (G8T 706, G8T 752, G8T 790, G8T 794)		4RV 008 188-251	after-glow capable
Rapid Box (F40 , G40)	07/85->11/98		
1.0 (F8Q 774); 1.6 D (F404) (F8M 720, F8M 730, F8M 736, F8M 760)		4RV 008 188-101	
Super 5 (B/C40)	10/84->12/96		
1.6 D (B/C/404) (F8M 720, F8M 730)		4RV 008 188-101	
Super 5 Box (S40)	10/84->12/96		
1.6 D (S404) (F8M 720)		4RV 008 188-101	
9 (L42)	09/81->12/89		
1.6 D (L424) (F8M 700, F8M 720, F8M 730, 10/82->09/83)		4RV 008 188-101	
18 (134)	04/78->11/93		
2.1 Diesel (1344) (852 710, J8S 711)		4RV 008 188-101	
18 Variable (135)	02/79->11/93		
2.1 Diesel (1354) (852 710, J8S 711, 05/81->07/86)		4RV 008 188-101	
18 Box	05/79->07/86		
2.1 Diesel (852 710, J8S 711)		4RV 008 188-101	
21 (B48)	09/89->06/94		
1.9 D (B48H, B48I) (F8Q 710); 2.1 D (B48V/B48O) (J8S 740, J8S 600); 2.1 Turbo-D (B486, B488, B48V) (J8S 714, J8S 788, J8S 786)		4RV 008 188-101	
21 Saloon (L48)	03/86->06/94		
1.9 D (L48H, L48I) (F8Q 710); 2.1 D (L486) (J8S 704); 2.1 D (L48V, L48O) (J8S 740, J8S 600); 2.1 Turbo-D (L48A, L48W, L487, L488) (J8S 714, J8S 788, J8S 786)		4RV 008 188-101	
21 Estate (K48)	03/86->08/94		
1.9 D (F8Q 710); 2.1 D (K/S486) (J8S 704); 2.1 D (K/S48V, K/S48O) (J8S 740, J8S 600); 2.1 D 4x4 (K486) (J8S 704); 2.1 Turbo-D (K48A, K48W, K487, K488) (J8S 714)		4RV 008 188-101	
21 Box (S48)	06/86->08/94		
1.9 D (F8Q 710)		4RV 008 188-101	
25 (B29)	04/84->12/93		
2.1 Diesel (B296) (J8S 706)		4RV 008 188-101	
2.1 Diesel (B296) (J8S 736); 2.1 Turbo-D (B290, B29W) (J8S 708, J8S 738)		4RV 008 188-091	
30 (127)	02/75->03/86		
2.1 Turbo-D (1270) (J8S 702)		4RV 008 188-091	
Trafic Bus (T5, T6, T7)	03/80->04/89		
2.1 D (852 750, 03/89->04/89)		4RV 008 188-101	
Trafic Box (T1, T3, T4)	03/80->04/89		
2.1 D 4x4 (852 750, 03/89->04/89); 2.1 D (852 750)		4RV 008 188-101	
Trafic Flatbed/Chassis (P6)	03/80->04/89		
2.1 D (852 720, 03/89->04/89)		4RV 008 188-101	
Trafic Bus (TXW)	03/89->03/01		
2.1 D (852 720, 852 750); 2.5 D (S8U 750, S8U 752, S8U 758, 8140.67.2500, 8140.67.2550, 8140.67.2580)		4RV 008 188-101	



Control Units, Glow Plug System

Renault - Vauxhall



Manufacturer Model Vehicle type	Model Year	Part no.	Note
Renault			
Trafic Box (TXX)	05/89->03/01		
2.1 D (852 750);		4RV 008 188-101	
2.5 D 4x4 (S8U 750, S8U 752, 8140.67.2500, 8140.67.2580);			
2.5 D (S8U 750, S8U 752, S8U 758, 8140.67.2500, 8140.67.2580, 8140.67.2550)			
Trafic Flatbed/Chassis (PXX)	03/89->03/01		
2.1 D [RWD] (852 720)		4RV 008 188-101	
Master I Bus (T__)	08/80->07/98		
28-35 2.1 D (J8S 330, 01/81->07/98); 28-35 2.4 D (8140.61.2300, S8U 731)		4RV 008 188-101	
Master I Box (T__)	07/80->07/98		
28-35 2.5 D (S8U 742, 8140.67.2510); 28-35 2.1 D (J8S 330, 01/81->07/98); 28-35 2.4 D (8140.61.2300, S8U 731)		4RV 008 188-101	
Master I Flatbed/Chassis (P__)	07/80->07/98		
28-35 2.5 D (8140.61.2300, S8U 731)		4RV 008 188-101	
Seat			
Ibiza I (021A)	06/84->12/93		
1.7 D (022 A.5000, 06/84->08/87)		4RV 008 188-091	
Malaga (023A)	11/84->12/93		
1.7 D (022 A.5000, 05/85->08/87)		4RV 008 188-091	
Ronda (022A)	06/82->11/88		
1.7 Diesel (022 A.5000)		4RV 008 188-091	
131	05/75->12/86		
2.4 Diesel (8144.61, 06/82->12/84)		4RV 008 188-091	
Ssangyong			
Musso (FJ)	10/95->		
2.3 D (OM 601.940, MB-OM 661)		4RV 008 188-371	after-glow capable
Talbot			
Horizon	02/78->06/86		
1.9 Diesel (XUD9)		4RV 008 188-091	
Tagora	06/80->12/87		
2.3 Turbo Diesel (XD2S, 08/81->12/83)		4RV 008 188-091	
Vauxhall			
Astra CC	09/79->08/86		
1.6 D (16 D, 09/84->08/86)		4RV 008 188-161	
Astra Estate	09/79->08/86		
1.6 D (16 D, 09/84->08/86)		4RV 008 188-161	
Astra Mk II CC	09/84->08/91		
1.6 D (16 DA, 09/84->01/89); 1.7 D (17 DR)		4RV 008 188-161	
Astra Mk II Belmont	09/85->12/91		
1.6 D (16 DA, 09/85->01/89); 1.7 D (17 D)		4RV 008 188-161	
Astra Mk II Estate	09/84->08/91		
1.6 D (16 DA, 09/84->01/89); 1.7 D (17 D)		4RV 008 188-161	
Astra Mk III CC	09/91->02/98		
1.7 D (17 D, 12/91->01/94)		4RV 008 188-161	
Astra Mk III	09/91->09/98		
1.7 D (17 D)		4RV 008 188-161	
Astra Mk III Estate	03/91->02/98		
1.7 D (17 D, 12/91->01/94)		4RV 008 188-161	
Carlton Mk II	10/78->08/86		
2.3 D (23 D)		4RV 008 188-161	



Control Units, Glow Plug System

Vauxhall - Volvo



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Manufacturer Model Vehicle type	Model Year	Part no.	Note
Vauxhall			
Carlton Mk II Estate	10/78->08/86		
2.3 D (16 D)		4RV 008 188-161	
Carlton Mk III	09/86->03/94		
2.2 TD (16 YDT); 2.3 D (16 YD, 09/86->01/94); 2.3 TD Interc. (16 DTR, 03/92->01/94)		4RV 008 188-161	
Carlton Mk III Estate	09/86->03/94		
2.2 TD (16 YDT); 2.3 D (16 YD, 09/86->01/92); 2.3 TD Interc. (16 DTR, 03/92->01/94)		4RV 008 188-161	
Cavalier Mk II	09/81->08/88		
1.6 D (16 D, 16 DA)		4RV 008 188-161	
Cavalier Mk II Estate	09/81->08/88		
1.6 D (16 DA)		4RV 008 188-161	
Cavalier Mk III CC	09/88->11/95		
1.7 D (17 D, 09/88->01/92)		4RV 008 188-161	
Cavalier Mk III (87)	09/88->11/95		
1.7 D (17 D, 09/88->01/92)		4RV 008 188-161	
Frontera	03/92->10/98		
2.3 TD (16 DTR, 03/92->01/95)		4RV 008 188-161	
Volkswagen			
Caddy I (14)	08/82->07/92		
1.6 D (16 JK, ME, 08/87->07/92)		4RV 008 188-171	after-glow capable
Golf II (19E, 1G1)	08/83->12/92		
1.6 DY; 1.6 D (16 JP, ME); 1.6 TD (16 1V); 1.6 TD (16 JR, MF); 1.6 TD (16 RA, SB)		4RV 008 188-171	after-glow capable
Jetta II (19E, 1G2)	01/84->12/92		
1.6 D (16 JP, ME)		4RV 008 188-191	
1.6 TD (16 1V); 1.6 TD (16 JR, MF); 1.6 TD (16 RA, SB)		4RV 008 188-171	after-glow capable
Passat (32B)	08/80->12/88		
1.6 D (16 CR, JK); 1.6 TD (16 CY); 1.6 TD (16 RA)		4RV 008 188-171	after-glow capable
1.6 D (16 CR, JK, 08/81->07/84)		4RV 008 188-181	after-glow capable
1.6 TD (16 CY, 04/82->07/84)		4RV 008 188-181	after-glow capable
		4RV 008 188-191	
Passat Saloon (32B)	08/84->03/88		
1.6 TD (16 CY)		4RV 008 188-171	after-glow capable
Passat Estate (32B)	08/80->06/89		
1.6 D (16 CR, JK)		4RV 008 188-171	after-glow capable
1.6 D (16 CR, JK, 08/80->07/84); 1.6 TD (16 CY, 04/82->07/84)		4RV 008 188-181	after-glow capable
1.6 TD (16 CY)		4RV 008 188-171	after-glow capable
		4RV 008 188-191	
Passat (3A2, 35I)	02/88->10/96		
1.6 TD (16 RA, SB); 1.9 D (19 1Y)		4RV 008 188-171	after-glow capable
Passat Estate (3A5, 35I)	02/88->06/97		
1.6 TD (16 RA, SB); 1.9 D (19 1Y)		4RV 008 188-171	after-glow capable
Polo (86C, 80)	10/81->09/94		
1.3 D (13 MN)		4RV 008 188-171	after-glow capable
Polo Classic (86C, 80)	01/85->09/94		
1.3 D (13 MN)		4RV 008 188-171	after-glow capable
Polo Coupé (86C, 80)	10/81->09/94		
1.3 D (13 MN)		4RV 008 188-171	after-glow capable
Volvo			
240 (P242, P244)	08/74->12/93		
2.4 Diesel (24 D 24); 2.4 Diesel (24 D 24, 01/85->07/85)		4RV 008 188-331	after-glow capable



Control Units, Glow Plug System

Volvo



Manufacturer Model Vehicle type	Model Year	Part no.	Note
Volvo			
240 Estate (P245)	08/74->08/93		
2.4 Diesel (D 24); 2.4 Diesel (D 24, 01/85->08/93)		4RV 008 188-331	after-glow capable
740 Estate (745)	08/84->08/92		
2.4 TD Interc. (D 24 TIC); 2.4 Turbo-Diesel (D 24 T)		4RV 008 188-331	after-glow capable
760 (704, 764)	08/81->07/92		
2.4 TD Interc. (704) (D 24 TIC); 2.4 Turbo Diesel (704) (D 24 T); 2.4 Turbo Diesel (704) (D 24 T, 01/85->07/87)		4RV 008 188-331	after-glow capable
760 Estate (704, 765)	01/82->07/92		
2.4 TD Interc. (765) (D 24 TIC)		4RV 008 188-331	after-glow capable
940 (944)	08/90->12/94		
2.4 D (D 24, 08/90->07/92); 2.4 TD Intercooler (D 24 TIC); 2.4 Turbo Diesel (D 24 T, 08/90->08/93)		4RV 008 188-331	after-glow capable
940 Estate (945)	08/90->07/95		
2.4 Turbo Diesel (D 24 T)		4RV 008 188-331	after-glow capable
940 II (944)	08/94->10/98		
2.4 TD Interc. (D 24 TIC)		4RV 008 188-331	after-glow capable
940 II Estate (945)	08/94->10/98		
2.4 TD Interc. (D 24 TIC)		4RV 008 188-331	after-glow capable
960 (964)	08/90->07/94		
2.4 TD Interc. (D 24 TIC)		4RV 008 188-331	after-glow capable
960 Estate (965)	08/90->07/94		
2.4 TD Interc. (D 24 TIC)		4RV 008 188-331	after-glow capable



Control Units, Glow Plug System
Mercedes-Benz



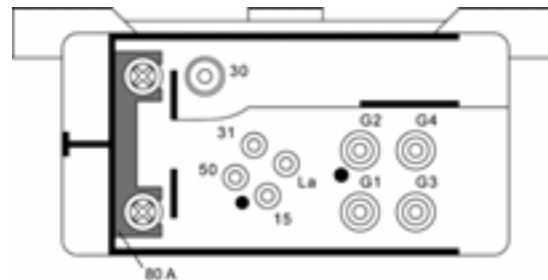
1

Manufacturer Model Vehicle type	Model Year	Part no.	Note
Mercedes-Benz			
T2/LN1	03/86->12/94		
507 D(OM 616.914); 507 DK(OM 616.914)		4RV 008 188-001	
		4RV 008 188-371	after-glow capable
508 D(OM 601.941)		4RV 008 188-371	after-glow capable

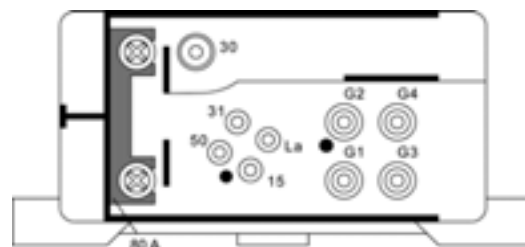
Part no.	Preheating time in sec. at + 20 °C	Post-heating time		Temperature measurement		Features
		with	without	intern	extern	
4RV 008 188-001	< 9		•	•		with fault detection
4RV 008 188-011	< 9		•	•		with fault detection
4RV 008 188-021	< 9		•	•		with fault detection
4RV 008 188-031	< 9		•	•		with fault detection
4RV 008 188-041	< 9	•			•	with fault detection
4RV 008 188-051	< 9	•			•	with fault detection
4RV 008 188-061	< 9	•			•	with fault detection
4RV 008 188-071	< 9	•			•	with fault detection
4RV 008 188-081	< 14		•	•		
4RV 008 188-091	< 8		•	•		
4RV 008 188-101	< 9		•	•		
4RV 008 188-111	< 7	•		•		
4RV 008 188-131	< 8	•		•		
4RV 008 188-161	< 8		•	•		
4RV 008 188-171	< 8	•			•	
4RV 008 188-181	< 7	•			•	
4RV 008 188-191	< 9		•		•	
4RV 008 188-211	< 8	•		•		
4RV 008 188-221	< 6	•		•		
4RV 008 188-251	< 5	•		•	•	
4RV 008 188-281	< 7	•		•		with post-heating interruption, clocked post-heating time
4RV 008 188-291	< 9	•			•	
4RV 008 188-301	< 8	•			•	
4RV 008 188-311	< 12	•		•		
4RV 008 188-321	< 8	•			•	with post-heating interruption
4RV 008 188-331	< 12	•			•	
4RV 008 188-371	< 7	•		•		
4RV 008 188-391	< 8		•	•		
4RV 008 188-401	< 7	•		•		
4RV 008 188-421	< 7	•			•	

Connecting- and clamping descriptions

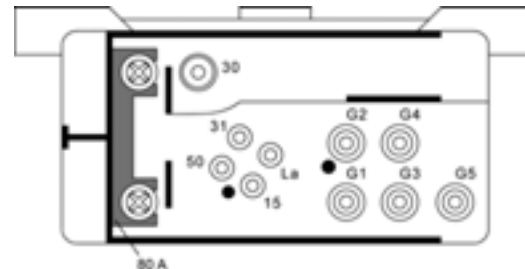
Terminal		Description
15		Ignition plus
30	B +	Battery plus
31		Earth
50		Starter control
85	31	Output (earth)
86	15	Winding start
87		Relay contact in the case of normally closed and change-over / input
G1	G1 - G6	Output glow plugs
T		Time



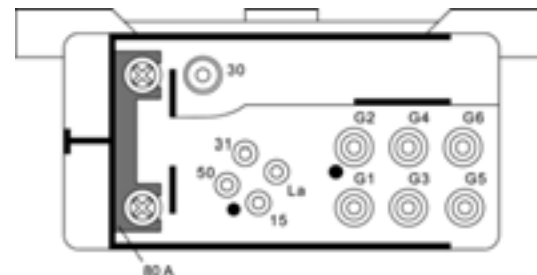
12 V, no. of poles 10, preheating time at +20°C / < 9 sec
4RV 008 188-001 Mercedes-Benz



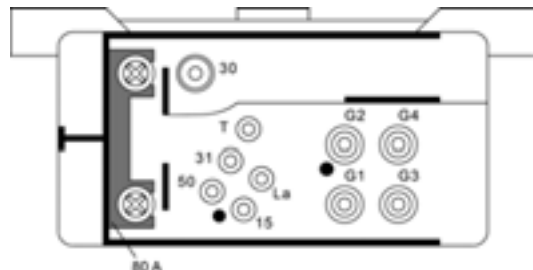
12 V, no. of poles 10, preheating time at +20°C / < 9 sec
4RV 008 188-011 Mercedes-Benz



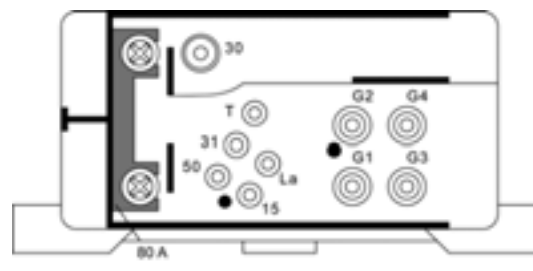
12 V, no. of poles 11, preheating time at +20°C / < 9 sec
4RV 008 188-021 Mercedes-Benz



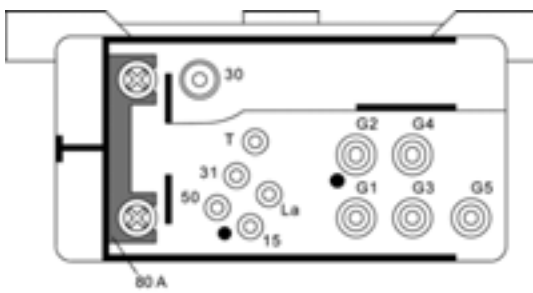
12 V, no. of poles 12, preheating time at +20°C / < 9 sec
4RV 008 188-031 Mercedes-Benz



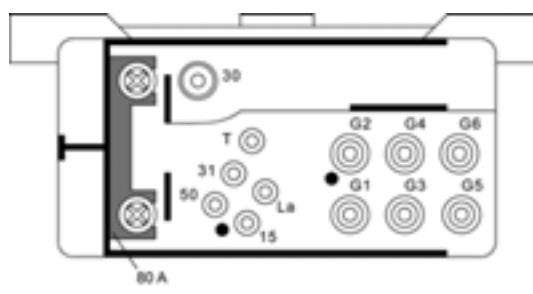
12 V, no. of poles 10, preheating time at +20°C / < 9 sec
4RV 008 188-041 Mercedes-Benz



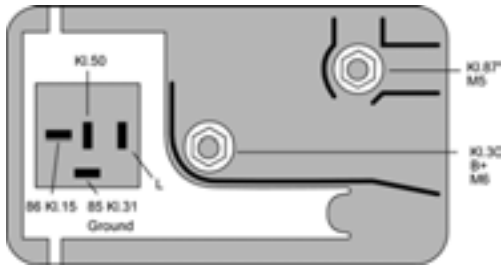
12 V, no. of poles 10, preheating time at +20°C / < 9 sec
4RV 008 188-051 Mercedes-Benz



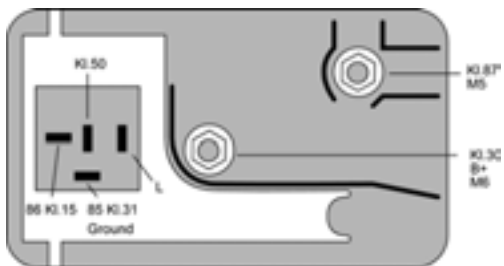
12 V, no. of poles 11, preheating time at +20°C / < 9 sec
4RV 008 188-061 Mercedes-Benz



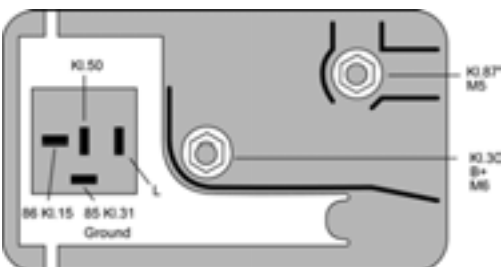
12 V, no. of poles 12, preheating time at +20°C / < 9 sec
4RV 008 188-071 Mercedes-Benz, Puch



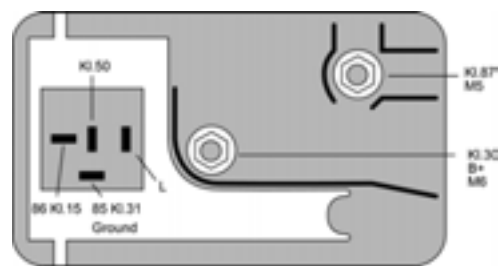
12 V, no. of poles 6, preheating time at +20°C / < 14 sec
4RV 008 188-081 Citroën, Peugeot



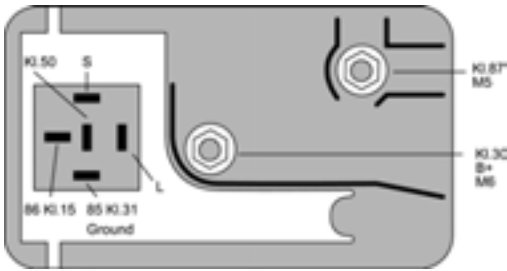
12 V, no. of poles 6, preheating time at +20°C / < 8 sec
4RV 008 188-091 Citroën, Fiat, Peugeot, Renault, Seat, Talbot



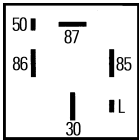
12 V, no. of poles 6, preheating time at +20°C / < 9 sec
4RV 008 188-101 Alfa Romeo, Renault



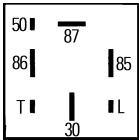
12 V, no. of poles 6, preheating time at +20°C / < 7 sec
4RV 008 188-111 Fiat



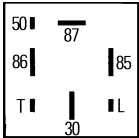
12 V, no. of poles 7, preheating time at +20°C / < 8 sec, Terminal S = postheating cut-out
4RV 008 188-131 Alfa Romeo



12 V, no. of poles 6, preheating time at +20°C / < 8 sec
4RV 008 188-161 Ford, Opel, Vauxhall



12 V, no. of poles 7, preheating time at +20°C / < 8 sec
4RV 008 188-171 Audi, Volkswagen



12 V, no. of poles 7, preheating time at +20°C / < 7 sec
4RV 008 188-181 Volkswagen

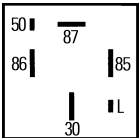


Control Units, Glow Plug System

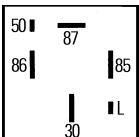
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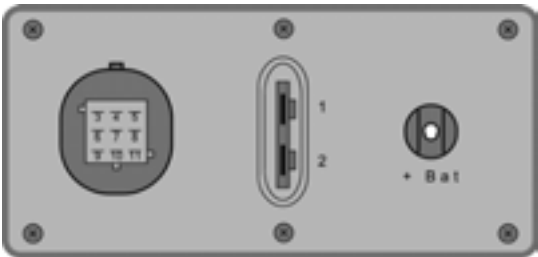
12 V, no. of poles 7, preheating time at +20°C / < 9 sec
4RV 008 188-191 Volkswagen



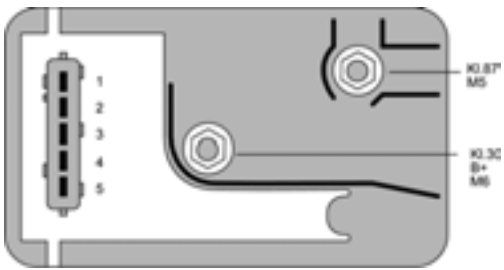
12 V, no. of poles 6, preheating time at +20°C / < 8 sec
4RV 008 188-211 Ford



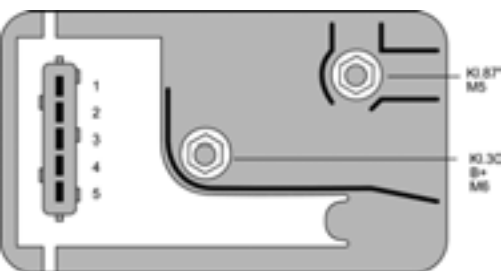
12 V, no. of poles 6, preheating time at +20°C / < 6 sec.
4RV 008 188-221 Ford



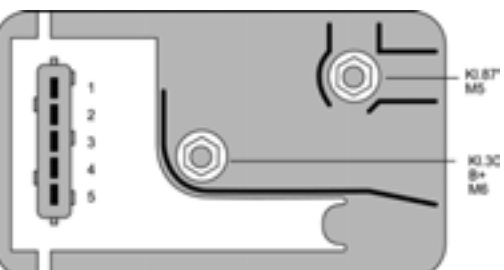
12 V, no. of poles 12, preheating time at +20°C / < 5 sec
4RV 008 188-251 Renault



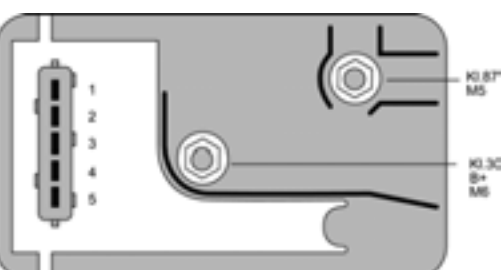
12 V, no. of poles 7, preheating time at +20°C / < 7 sec, Terminal S = postheating cut-out
4RV 008 188-281 Citroën, Fiat, Peugeot



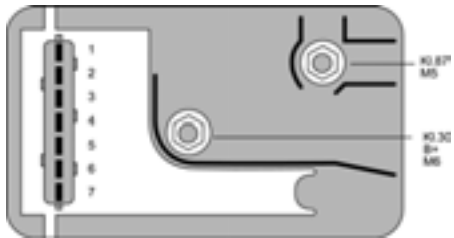
12 V, no. of poles 6, preheating time at +20°C / < 9 sec
4RV 008 188-291 Citroën, Fiat



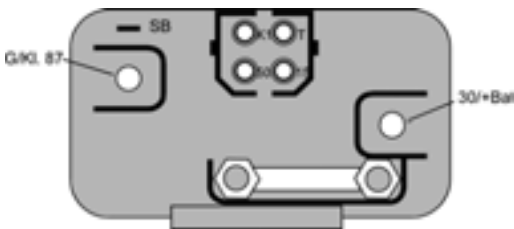
12 V, no. of poles 6, preheating time at +20°C / < 8 sec
4RV 008 188-301 Citroën, Fiat, Peugeot



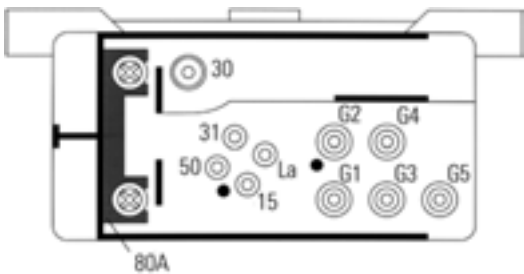
12 V, no. of poles 5, preheating time at +20°C / < 12 sec
4RV 008 188-311 Citroën, Fiat, Lancia



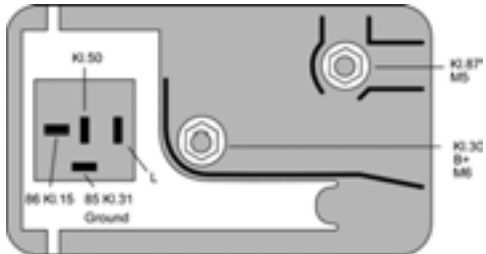
12 V, no. of poles 9, preheating time at +20°C / < 8 sec, Terminal S = postheating cut-out
4RV 008 188-321 Citroën, Peugeot



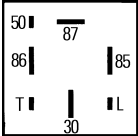
12 V, no. of poles 6, preheating time at +20°C / < 12 sec
4RV 008 188-331 Volvo



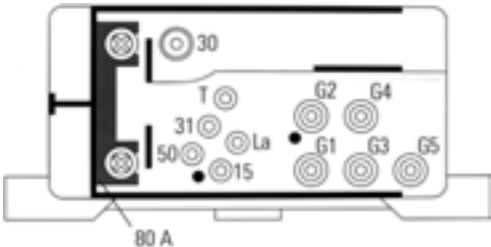
12 V, no. of poles 10, preheating time at +20°C / < 7 sec
4RV 008 188-371 Mercedes-Benz, Ssangyong



12 V, no. of poles 6, preheating time at +20°C / < 8 sec
4RV 008 188-391 Citroën, Peugeot



12 V, no. of poles 7, preheating time at +20°C / < 7 sec
4RV 008 188-401 Ford



12 V, no. of poles 11, preheating time at +20°C / < 7 sec
4RV 008 188-421 Mercedes-Benz



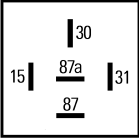
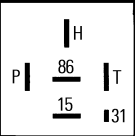
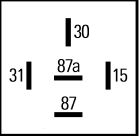
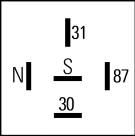
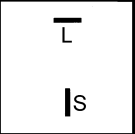
Control Units

Seat - Volvo

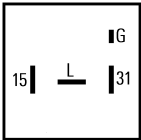
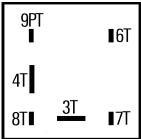
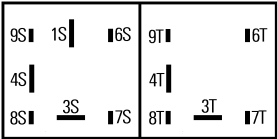


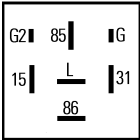
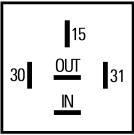
1

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Seat				Volvo			
Alhambra from chassis no. 7M-W-021 027	06/96->	5SA 005 017-031 Light warning control module with gong	1	S40	07/95->	5DF 007 736-011 Control module for rear fog lamp	1
Volkswagen				S40	07/95->	5DF 007 737-021 Control module for fog lamps and rear lamps	1
Golf II	08/89->07/92	5HE 009 140-001 Time control unit for seat heating	1	S70	01/97->	5SA 005 552-021 Seatbelt warning control module	1
Golf III	09/91->07/97			V40	07/95->	5DF 007 736-011 Control module for rear fog lamp	1
Golf III	06/95->07/98	5SA 005 017-031 Light warning control module with gong	1	V40	07/95->	5DF 007 737-021 Control module for fog lamps and rear lamps	1
Golf III Convertible	06/94->			V70	01/97->	5SA 005 552-021 Seatbelt warning control module	1
Golf III Syncro, Rally	06/93->04/99						
Golf III Estate	06/95->04/99						
Passat, Syncro	06/94->07/97	5SA 005 017-031 Light warning control module with gong	1				
Passat	08/91->	5HE 009 140-001 Time control unit for seat heating	1				
Polo II	10/90->	5HE 009 140-001 Time control unit for seat heating	1				
Sharan from chassis no. 7M-W-021 027	06/96->	5SA 005 017-031 Light warning control module with gong	1				
Sharan	06/96->	5HE 009 140-001 Time control unit for seat heating	1				
Vento	06/95->10/98	5SA 005 017-031 Light warning control module with gong	1				
Vento	01/92->10/98	5HE 009 140-001 Time control unit for seat heating	1				
LT, LT 4x4	06/90->07/96	5SA 005 017-031 Light warning control module with gong	1				
Transporter T4	06/97->07/99	5SA 005 017-031 Light warning control module with gong	1				
Volvo							
C70	03/97->	5SA 005 552-021 Seatbelt warning control module	1				

 	Part no.	Pk.	Time control units For a wide range of technical applications it is necessary to switch loads on or off after a delay. Applications for time control units with release delay: - Headlamp cleaning - Rear window heating - Fan blower overrun - Timer etc. Applications for time control units with response delay: - Air conditioning compressor - Motor switch-on delay - Bus doors etc. Delay can be set manually. Delay time: 0 - 900 sec. Holder included in the scope of supply. Type approval according to directive 95/54/EG (e1). Temperature resistance: -25 °C to +80 °C.
	5HE 996 152-131	1	12V, 5-pin, release delay
	5HE 996 152-091	1	12V, 5-pin, release delay, delay time: 1.5 sec.
	5HE 996 152-141	1	24V, 5-pin, release delay
	5HE 996 152-151	1	12V, 5-pin, response delay
	5HE 996 152-161	1	24V, 5-pin, response delay
	5HE 996 152-127	200	24V, 5-pin, response delay, delay time: 0.9 sec.
 	5HE 009 140-001	1	Time control unit for seat heating Audi, Volkswagen 12V, 6-pin
 	5HE 009 130-001	1	Delay control unit Mercedes-Benz 24V, 5-pin
 	5HE 006 207-027	100	Time control unit-cut off 12V, 5-pin
 	5HE 003 724-027	250	Time control unit-oil-pressure warning 12V, 2-pin



 	Part no. 5SA 005 552-021	Pk. 1	Seat belt warning control unit Volvo 12V, 4-pin
 	5DF 007 736-011	1	Rear fog lamp control unit Volvo 12V, 6-pin
 	5DF 007 737-021	1	Fog lamp/reversing lamp control unit Volvo 12V, 13-pin

 	Part no.	Pk.	Light warning control unit Ford, Seat, Volkswagen 12V, 7-pin
 	5DS 009 602-001	1	Simulation device for cold scan Only for use with Hella LED-indicators (see page 1.19 - 1.20) 24V, 5-pin
	6ME 007 329-231	1	Light switch modules Mercedes-Benz CLK 200 - CLK 430 (CLK-series, C 208) 06/97-> E 200 - E 430 (E-series, W 210) 06/95-> European version
	6ME 007 329-251	1	Mercedes-Benz E 200 - E 430 (E-series, W 210) 06/95-> With daytime running light for Scandinavia
	6ME 007 329-241	1	Mercedes-Benz E 200 - E 430 (E-series, W 210) 06/95-> For taxis



Control Units, Central Locking System

Mercedes-Benz - Volkswagen



1

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Mercedes-Benz				Mercedes-Benz			
C 180 - C 280 C-Class (W 202) except T-model	06/93->	8TZ 006 959-501	1	SL 280 - SL 600 (R 129) SL 280 (129.058), SL 300 (129.060), 330 SL-24 (129.061), SL 320 (129.063), 500 SL (129.066), SL 500 (129.067), SL 600 (129.076)	03/89->10/01	8TZ 005 863-061	1
CL 420 - CL 600 CL-Class (C 140)	09/92->	8TS 006 446-071 closing aid control unit	1				
CLK 200 - CLK 430 (C 208) CLK 200 - CLK 430 Cabriolet (A 208)	06/97->06/02 03/98->03/02	8TZ 007 828-401	1	SLK 200 - SLK 320 (R 170)	04/96->04/04	8TZ 007 828-481	1
				Volkswagen			
E 200 - E 500 E-Class (W 124)	06/93->05/95	8TN 007 036-501	1	Golf III	09/91->08/97	8TN 006 654-501 with safe function	1
E 200 Coupé - E 320 Coupé E-Class (C 124)	06/93->05/96	8TZ 007 036-511 with control for orthopaedic back rest and input for infrared remote control	1	Golf III Convertible	08/93->	8TN 006 654-511 without safe function	1
E 200 T - E 320 T T-model E-Class (S 124)	06/93->05/96			Golf III Estate	08/93->04/99		
E 200 - E 430 (W 210) E 200 (210.035), E 200 Kompressor (210.045, 210.048), E 240 (210.061, 210.062), E 280 (210.063), E 280 4-matic (210.081), E 320 (210.065), E 320 4-matic (210.082), E 430 (210.070), E 430 4-matic (210.083), E 55 AMG (210.074), E 55 AMG 4-matic (210.083), E 200 CDI (210.007), E 220 CDI (210.006), E 270 CDI (210.016), E 320 CDI (210.026)	06/95->03/02	8TZ 007 828-401	1	Passat (B3)	12/91 ->08/93	8TN 006 654-501	1
S 280 - S 600 S-Class (W 140)	01/93->10/98	8TS 006 446-071 closing aid control unit	1	Passat (B4)	09/93->10/96	8TN 006 654-501	1
190 (W 201)	10/82->08/93	8TN 007 036-501 8TZ 007 036-511 with control for orthopaedic back rest and input for infrared remote control	1 1	Polo III	10/94->	8TN 006 654-511	1
200 - 500 (W 124)	01/85->05/93	8TN 007 036-501	1	Polo III Classic	11/95->	8TN 006 654-511	1
220 CE - 320 CE Coupé (C 124)	03/87->05/93	8TZ 007 036-511 with control for orthopaedic back rest and input for infrared remote control	1	Vento	09/91->10/98	8TN 006 654-501 with safe function 8TN 006 654-511 without safe function	1 1
220 T - 320 T T-model (S 124)	01/86->05/93						
300 SE - 600 SEL S-Class (W 140)	02/91->12/92	8TS 006 446-071 closing aid control unit	1				
500 SEC, 600 SEC S-Class Coupé (C 140)	09/92->	8TS 006 446-071 closing aid control unit	1				

    	Part no.	Pk.	Control Units, Central Locking System
			Audi For vehicles with an alarm system and/or infrared remote control.
	8TZ 006 522-501	1	12V
			Volkswagen For VW central locking control module (VW-Nr. 1H0 962 257) 8TN 006 654-501 can be used, however, it must be provided with an electric jumper from plug contact 3 to 8. 1 standard hose (interior diameter 8 mm and length 7 cm) as well as 1 standard reducing adapter (dia. 8 mm on one side and 4 mm on the other) are required for the connection of the vacuum hose.
	8TN 006 654-501	1	12V, with "safe" function
	8TN 006 654-511	1	Volkswagen 12V, without "safe" function
			Mercedes-Benz
	8TN 007 036-501	1	12V
			Mercedes-Benz With control for orthopaedic back rest and input for infrared remote control.
	8TZ 007 036-511	1	12V
			Mercedes-Benz Closing aid
	8TS 006 446-071	1	12V



Control Units, Central Locking System

1

  	Part no.	Pk.	Control Units, Central Locking System
			Mercedes-Benz
			Release necessary
	8TZ 007 828-401	1	12V
			Mercedes-Benz
	8TZ 007 828-481	1	12V
			Mercedes-Benz
	8TZ 005 863-061	1	12V



Control, Headlight Aiming

Audi - Renault



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Audi				Audi			
A2 (8Z0)	02/00->	6NM 007 878-041	1	80 (8C, B4)	09/91->01/96	6NM 007 282-211	1
A3 (8L1)	09/96->08/00	6NM 007 878-531	1	100 (4A, C4)	12/90->06/94	6NM 007 282-211	1
A3 (8L1)	08/00->04/03	6NM 007 878-541	1	BMW			
A4, S4, quattro (8D2, B5) from chassis no. 8D-X-200 001	99->11/00	6NM 007 878-041 for halogen headlight	1	3 (E36)	09/90->08/00	6NM 004 375-311	1
A4, S4, quattro (8D2, B5) chassis no. 8D-X-200 001 -> 8D-1-200 000	99->11/00	6NM 007 878-041 for xenon headlight	1	5 (E34)	09/88->01/97	6NM 004 375-311	1
A4 Avant, S4, quattro (8D5, B5) from chassis no. 8D-X-200 001	99->09/01	6NM 007 878-041 for halogen headlight	1	7 (E32)	09/88->09/94	6NM 004 375-311	1
A4 Avant, S4, quattro (8D5, B5) chassis no. 8D-X-200 001 -> 8D-1-200 000	99->09/01	6NM 007 878-041 for xenon headlight	1	Chrysler			
A4, S4, quattro (8E2, B6) up to chassis no. 8E-5-400 000	11/00->05	6NM 007 878-041 for halogen headlight	1	PT Cruiser	06/00->	6NM 007 878-351	1
A4 Avant, S4, quattro (8E5, B6) up to chassis no. 8E-5-400 000	09/01->05	6NM 007 878-041 for halogen headlight	1	Fiat			
A6 (4A, C4)	06/94->12/97	6NM 007 282-211	1	Punto (176)	09/93->09/99	6NM 007 282-661	1
A6 (4B, C5) (-) 8-Zyl., (-) Allroad	01/97->05/01	6NM 007 878-531	1	Opel			
A6 (4B, C5) (-) Allroad	05/01->03	6NM 007 878-521 for halogen headlight	1	Astra G	02/98->	6NM 007 878-351	1
A8 (D2) from chassis no. 4D-X-005 001	99->03	6NM 007 878-531 for xenon headlight	1	Omega B	03/94->07/03	6NM 007 282-641 for halogen headlight	1
Cabriolet (B4)	05/91->08/00	6NM 007 282-211	1	Renault			
Coupé (89, 8B)	09/91->12/96	6NM 007 282-211	1	Avantime (DE0)	09/01->05/03	6NM 007 878-501 for halogen headlight	1
Q7	03/06->	6NM 007 878-041 for halogen headlight	1	Clio II (B/C/B0/1_)	09/98->	6NM 007 878-501	1
				Espace III (JE_)	11/96->10/02	6NM 007 878-501 for halogen headlight	1
				Espace IV (JK0_)	11/02->04/06	6NM 007 878-501 for halogen headlight	1
				Grand Scénic	04/04->07/06	6NM 007 878-501 for halogen headlight	1
				Kangoo (FC0/1_, KC0/1_)	03/98->	6NM 007 878-501	1
				Laguna (B56_, 556_, K56_)	05/98->03/01	6NM 007 878-501	1

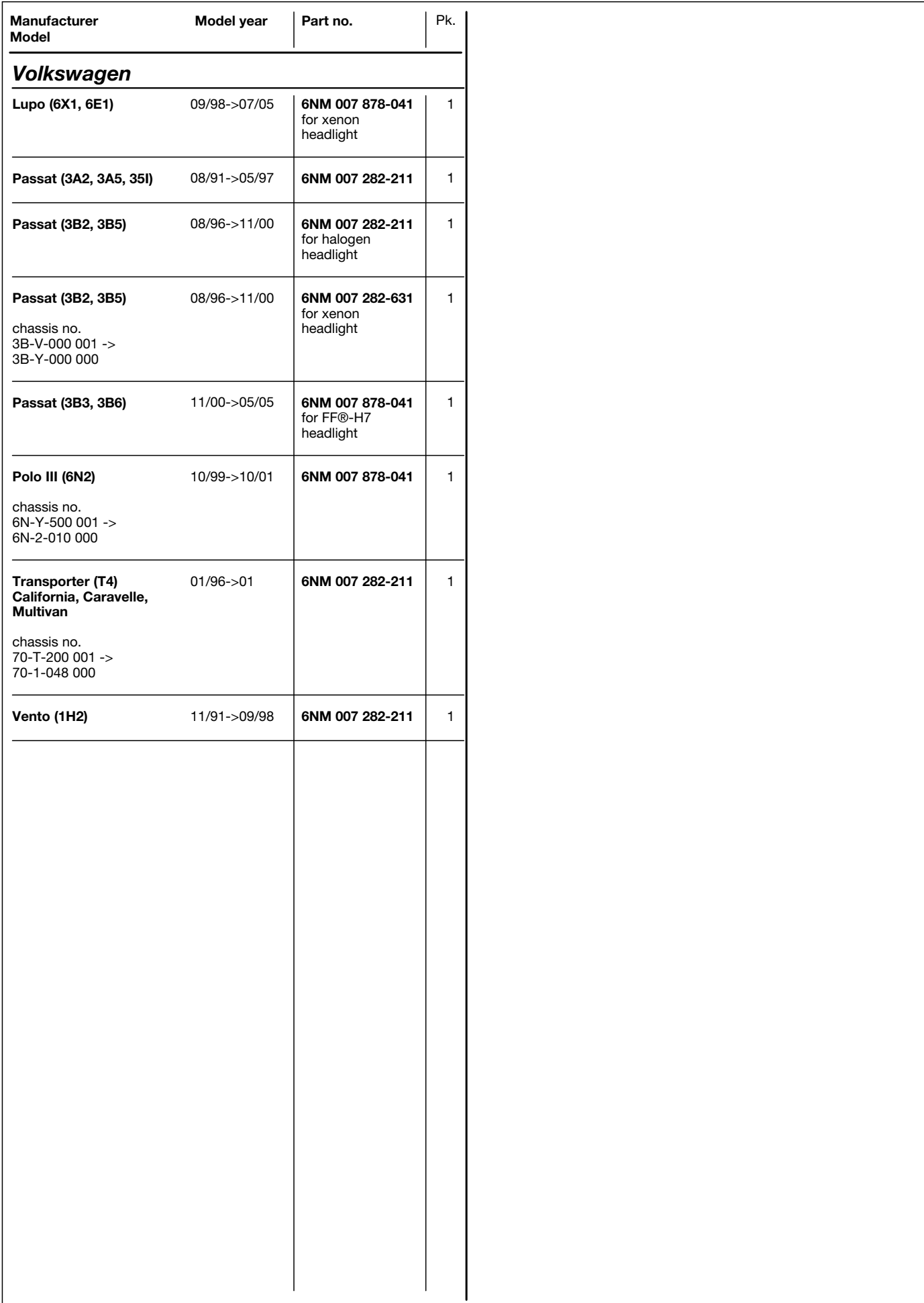


Control, Headlight Aiming

Renault - Volkswagen

**1**

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Renault				Seat			
Laguna II (BG0/1_, KG0/1_) 03/01->		6NM 007 878-501 for halogen headlight	1	Cordoba Vario (6K5) 06/99->		6NM 007 878-041	1
				from chassis no. 6K-X-400 000			
Master II (ED/FD/HD/JD/ND/UD) 07/98->10/03		6NM 007 878-501	1	Cordoba (6L2) 10/02->		6NM 007 878-041 for halogen headlight	1
Mastermaxi (FH/HH/UH) 04/98->		6NM 007 878-501	1				
Mégane Hatchback (BA0/1_) 01/96->		6NM 007 878-501	1	Ibiza III (6K1) 08/99->02/02		6NM 007 878-041	1
Mégane Convertible (EA0/1_) 0/96->				from chassis no. 6K-X-400 000			
Mégane Coach (DA0/1_) 03/96->				Ibiza IV (6L1) 02/02 ->		6NM 007 878-041 for halogen headlight	1
Mégane Classic (LA0/1_) 09/96->							
Mégane Scenic (JA0/1_) 01/97->09/99				Leon (1M1) 11/99->		6NM 007 878-041	1
Safrane I (B64_) 04/92->07/96		6NM 007 878-501 for halogen headlight	1	Toledo II (1M2) 04/99->		6NM 007 878-041	1
Safrane II (B64_) 07/96->12/00		6NM 007 878-501 for halogen headlight	1	Skoda			
Scénic (JA0/1_) 09/99->		6NM 007 878-501	1	Fabia (6Y) 12/99->		6NM 007 878-521	1
Scénic II (JM0/1_) 06/03->07/06		6NM 007 878-501 for halogen headlight	1	Octavia (1U2/1U5) 01/00->08/00		6NM 007 878-531	1
				from chassis no. 1U-Y-375 001			
Thalia 08/00->		6NM 007 878-501	1	Superb (3U4) 02/02->		6NM 007 878-041 for halogen headlight	1
Trafic (JL/EL/FL) 03/01->		6NM 007 878-501	1	Vauxhall			
Twingo (C06_, C06_) 03/93->		6NM 007 878-501	1	Astra Mk IV 02/98->		6NM 007 878-351	1
Vel Satis (BJ0) 06/02->		6NM 007 878-501 for halogen headlight	1	Omega 03/94->07/03		6NM 007 282-641 for halogen headlight	1
19 II Hatchback 16V (B/C53_) 04/92->12/95		6NM 007 878-501	1	Volkswagen			
19 II Chamade 16V (L53) 04/92->12/95				Bora (1J2, 1J6) 10/98->07/05		6NM 007 878-041	1
19 II Convertible 16V (D53_, 853_) 04/92->06/96				Golf III (1H1, 1H5, 1E7) 08/91->04/99		6NM 007 282-211	1
Seat				Golf III Convertible (1E7) 07/93->05/98		6NM 007 282-211	1
Arosa (6H) 05/97->07/04		6NM 007 878-041 for halogen headlight	1	Golf III Convertible (1E7) 06/98->06/02		6NM 007 878-041	1
Cordoba (6K2) 06/99->10/02		6NM 007 878-041	1	Golf IV (1J1, 1J5) 08/97->06/05		6NM 007 878-041 for H7/H1 headlight	1
from chassis no. 6K-X-400 000							





Control, Headlight Aiming

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6NM 004 375-311	12V	BMW		6NM 007 878-041	12V	Audi, Seat, Skoda, Volkswagen
						
6NM 007 282-211	12V	Audi, Volkswagen		6NM 007 878-351	12V	Opel, Vauxhall
						
6NM 007 282-631	12V	Volkswagen		6NM 007 878-501	12V	Renault
						
6NM 007 282-641	12V	Opel, Vauxhall		6NM 007 878-521	12V	Audi
						
6NM 007 282-661	12V	Fiat		6NM 007 878-531	12V	Audi, Skoda



	
6NM 007 878-54112VAudi	6NM 007 281-00412VWVW, Mercedes Benz
	
6NM 008 299-50124V	



Relays Product descriptions	2.02-2.15
Relays, wiping interval Car and van application chart Commercial vehicle application chart Product descriptions	2.16-2.18 2.19 2.20-2.23
Relays, headlight cleaning Car and van application chart Commercial vehicle application chart Product descriptions	2.24 2.25 2.26
Relays, lock system Product descriptions	2.26
Relays, fuel pump Car and van application chart Product descriptions	2.27-2.35 2.36-2.37



Climatic and mechanical tests

Vibration test:	DIN IEC 600 68-2-6 (sinusoidal) 20-200 Hz, 5g
Shock test:	DIN IEC 600 68-2-27 (half-sine) min. 10g
Corrosion test:	DIN IEC 600 68-2-42; 10 ± 2 cm³/m³ SO2, 10 days
	DIN IEC 600 68-2-42; 11 ± 0,3 cm³/m³ H2S, 10 days
Damp heat test, cyclic:	DIN IEC 600 68-2-30; Db, version 1; 6 cycles, upper temperature +55 °C
Damp heat test, constant:	DIN EN 600 68-2-78; approx. 56 days; upper temperature +55 °C
Temperature-change test:	DIN IEC 600 68-2-14; Nb, 10 cycles; -40 °C/+85 °C (5 °C per minute)
Condensation-water test:	EN ISO 6988, 6 cycles; Storage 8/16 h

Connecting and clamping description

German standard	Iso 7588 standard	Description
86	1	Coil trigger (+)
85	2	Coil trigger (-), Ground
30	3	Battery (+)
87a	4	Output 2
87	5	Output 1

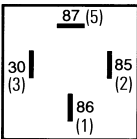


General data	Mini-relays, 12V		Power-mini-relays, 12V	Mini-relays, 24V		
	4RA 007 791-... 4RD 007 794-...	4RX 933 332-... 4RA 933 791-... 4RX 965 400-...	4RA 007 793-...	4RA 007 957-... 4RD 007 903-...	4RX 933 332-... 4RA 933 791-... 4RX 965 400-...	
Test voltage	13,5V	13,5V	13,5V	27V	27V	
Test temperature	+23 ±5 °C	+23 ±5 °C	+23 ±5 °C	+23 ±5 °C	+23 ±5 °C	
Permissible ambient temperature	-40 °C...+125 °C	-40 °C...+85 °C	-40 °C...+125 °C	-40 °C...+125 °C	-40 °C...+85 °C	
Storage temperature	-40 °C...+130 °C	-40 °C...+125 °C	-40 °C...+130 °C	-40 °C...+130 °C	-40 °C...+125 °C	
Blade terminal (ISO 8092)						
30	6.3 x 0.8 mm	6.3 x 0.8 mm	9.5 x 1.2 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	
85	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	
86	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	
87	6.3 x 0.8 mm	6.3 x 0.8 mm	9.5 x 1.2 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	
87a	6.3 x 0.8 mm	6.3 x 0.8 mm	-	6.3 x 0.8 mm	6.3 x 0.8 mm	
Coil data						
Rated voltage	12V	12V	12V	24V	24V	
Operating voltage at permissible ambient temperature	8V...16V	8V...16V	8V...16V	16V...30V	16V...30V	
Response voltage at test temperature	< 8V	< 8V	< 8V	< 17V	< 15.6V	
Release voltage at test temperature	> 1V	> 1V	> 1.3V	> 3.5V	> 3.5V	
Coil resistance at test temperature without parallel component	85 Ohm ± 10%	85 Ohm ± 10%	100 Ohm ± 10%	305 Ohm ± 10%	350 Ohm ± 10%	
Response time	< 10 ms	< 10 ms	< 10 ms	< 10 ms	< 10 ms	
Release time	< 10 ms	< 15 ms	< 10 ms	< 10 ms	< 15 ms	
Insulation resistance Coil circuit/Load circuit	> 100 MOhm	> 100 MOhm	> 100 MOhm	> 100 MOhm	> 100 MOhm	
Dielectric strength Coil circuit/Load circuit	> 1000 VDC	> 1000 VDC	> 1000 VDC	> 1000 VDC	> 1000 VDC	
Contact data						
Contact-voltage drop at test voltage in new condition: normally open contact	< 10 mV/A	< 10 mV/A	< 5 mV/A	< 10 mV/A	< 15 mV/A	
in new condition: normally-closed contact	< 10 mV/A	< 10 mV/A	-	< 10 mV/A	< 15 mV/A	
following service-life test: normally-open contact	< 10 mV/A	< 10 mV/A	< 10 mV/A	< 10 mV/A	< 15 mV/A	
following service-life test: normally-closed contact	< 10 mV/A	< 15 mV/A	-	< 15 mV/A	< 20 mV/A	
Mechanical service life	'10 ⁷	'10 ⁷	'10 ⁷	'10 ⁷	'10 ⁷	

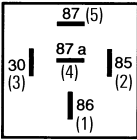


	Heavy-duty relays, 12V24V		Micro-relays, 12V			Solid state relay, 12V
	4RA 003 437-...	4RA 003 437-...	4RA 007 813-... 4RA 007 814-...	4RD 933 319-... 4RA 933 791-...	4RC 933 364-...	4RA 931 773-...
General data						
Test voltage	13,5V	27V	13,5V	13,5V	13,5V	13,5V
Test temperature	+23 ±5 °C	+23 ±5 °C	+23 ±5 °C	+23 ±5 °C	+23 ±5 °C	+23 ±5 °C
Permissible ambient temperature	-40 °C...+125 °C	-40 °C...+85 °C	-40 °C...+125 °C	-40 °C...+125 °C	-40 °C...+105 °C	-40 °C...+125 °C
Storage temperature	-40 °C...+125 °C	-40 °C...+125 °C	-40 °C...+130 °C	-40 °C...+130 °C	-40 °C...+125 °C	-40 °C...+130 °C
Blade terminal (ISO 8092)						
30	9.5 x 1.2 mm	9.5 x 1.2 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm
85	6.3 x 0.8 mm	6.3 x 0.8 mm	4.8 x 0.8 mm	4.8 x 0.8 mm	4.8 x 0.8 mm	6.3 x 0.8 mm
86	6.3 x 0.8 mm	6.3 x 0.8 mm	4.8 x 0.8 mm	4.8 x 0.8 mm	4.8 x 0.8 mm	6.3 x 0.8 mm
87	9.5 x 1.2 mm	9.5 x 1.2 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm	6.3 x 0.8 mm
87a	-	-	4.8 x 0.8 mm	4.8 x 0.8 mm	4.8 x 0.8 mm	-
Coil data						
Rated voltage	12V	24V	12V	12V	12V	12V
Operating voltage at permissible ambient temperature	8V...16V	16V...30V	8V...16V	8V...16V	8V...16V	8V...16V
Response voltage at test temperature	< 7.5V	< 17V	< 8V	< 8V	< 6V	< 8V
Release voltage at test temperature	> 1V	> 5V	> 1V	> 1.2V	> 6V	-
Coil resistance at test temperature without parallel component	85 Ohm ± 10%	310 Ohm ± 10%	92 Ohm ± 10%	140 Ohm ± 10%	2x75 Ohm ± 10%	Ri = 1,4 Ohm
Response time	< 10 ms	< 10 ms	< 10 ms	< 10 ms	< 5 ms	< 1 ms
Release time	< 10 ms	< 15 ms	< 10 ms	< 10 ms	< 5 ms	< 1 ms
Insulation resistance Coil circuit/Load circuit	> 100 MOhm	> 100 MOhm	> 100 MOhm	> 500 MOhm	> 100 MOhm	-
Dielectric strength Coil circuit/Load circuit	> 1000 VDC	> 1000 VDC	> 1000 VDC	> 500 VDC	> 800 VDC	-
Coil data						
Contact-voltage drop at test voltage in new condition: normally open contact	< 3 mV/A	< 3 mV/A	< 10 mV/A	< 25 mV/A	< 5 mV/A	< 1 mV/A
in new condition: normally-closed contact	-	-	< 10 mV/A	< 25 mV/A	-	-
following service-life test: normally-open contact	< 10 mV/A	< 10 mV/A	< 10 mV/A	< 25 mV/A	< 10 mV/A	< 1 mV/A
following service-life test: normally-closed contact	-	-	< 10 mV/A	< 25 mV/A	-	-
Mechanical service life	'10 ⁷	'10 ⁷	'10 ⁷	'10 ⁷	'10 ⁷	'10 ⁷

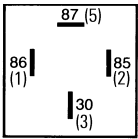
Mini-relays / Solid-state relays



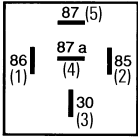
Normally-open relay



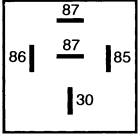
Change-over relay



Normally-open relay

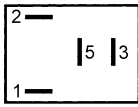


Change-over relay

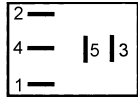


Normally-open relay with dual output

Mikrorelais



Normally-open relay

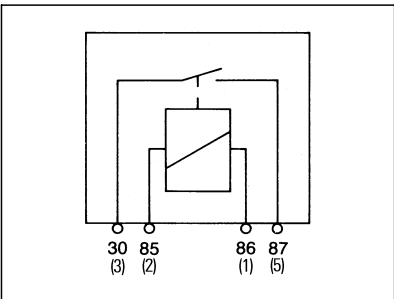


Change-over relay

Plug patterns according to ISO 7588 / flat plugs to ISO 8092

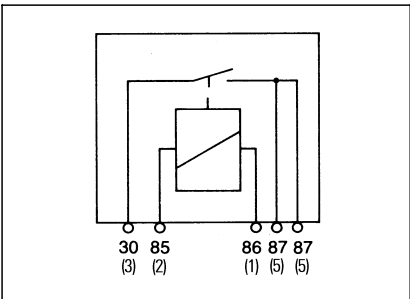
Die verschiedenen Relais-Arten:

1. The normally-open relay

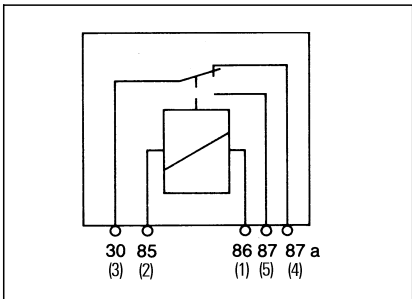


A normally-open relay is used to close the electric circuit between power source and electrical load, i.e. the load is switched on. Relays are operated by means of switches, pulse generators or control devices.
Application: headlamps, auxiliary driving lamps, auxiliary fog lamps, horns, heaters, motors for fans and power windows, air-conditioners and ignition assemblies, etc.

2. The normally-open relay with dual output



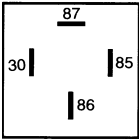
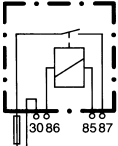
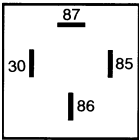
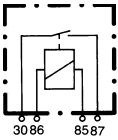
3. The change-over relay



The change-over relay changes the load path from one electrical load to another. The relay is operated by a dashboard switch.
Application: Switching over from town horn to fanfare horn, for 2-speed-appliances such as heated rear windows or fan motors, etc.

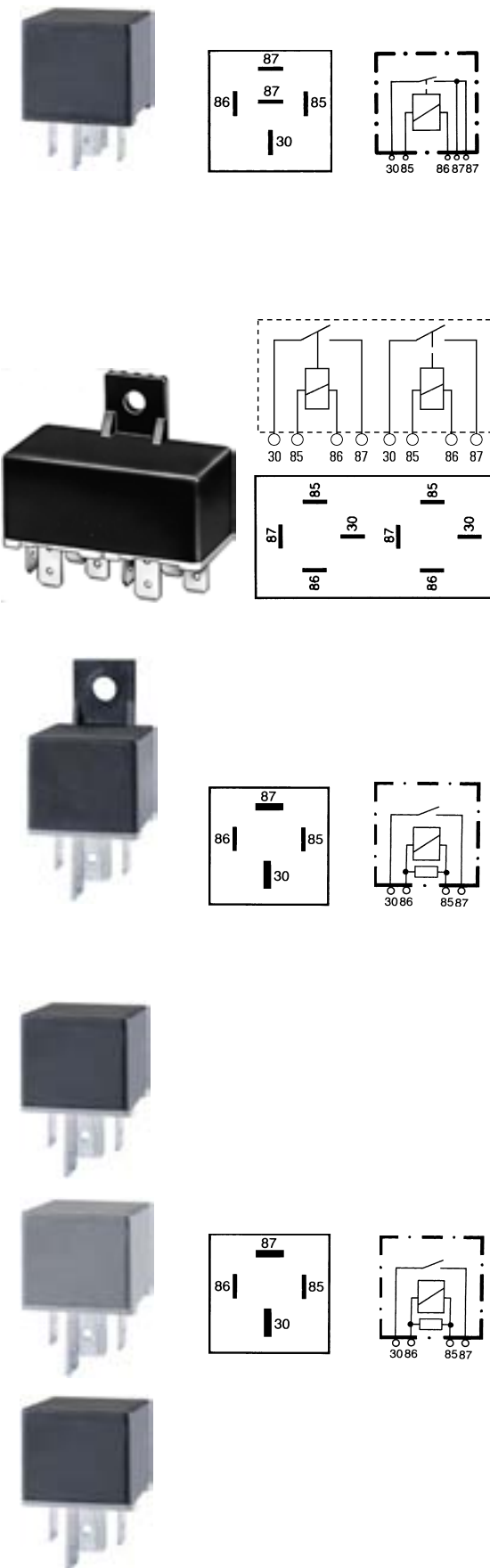
Change-over relays can be used as:

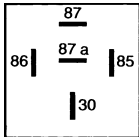
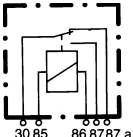
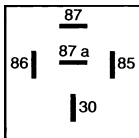
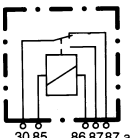
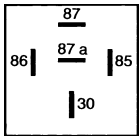
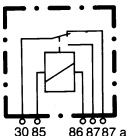
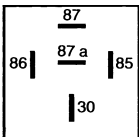
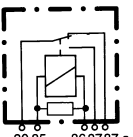
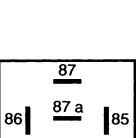
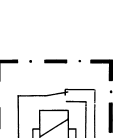
- change-over relays
- normally-open relays
- normally-closed relays

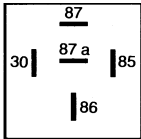
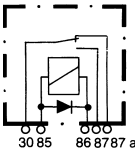
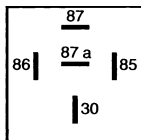
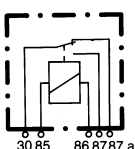
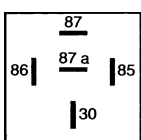
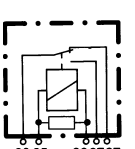
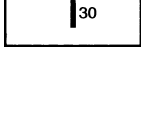
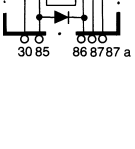
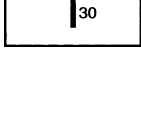
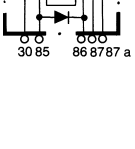
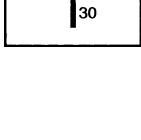
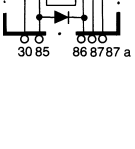
  	Part no.	Pk.	Normally-open relays (mini-relays) With bracket, 15A blade-type fuse and blade terminal contacts. Max. load (at +80 °C) normally-open contact Resistive load: 15A Inductive load: - Capacitive load: - Normally-open relay, 4-pin, 12V 12V 12V, carded 24V With bracket, 25A blade-type fuse Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: - Capacitive load: - Normally-open relay, 4-pin, 12V
	4RA 003 530-001 4RA 003 530-007	1 112	
	4RA 003 530-003	1	
	4RA 003 530-051	1	
	4RA 003 530-042 4RA 003 530-041	1 112	
			With bracket, without fuse. Max. load (at +80 °C) normally-open contact Resistive load: 30A Inductive load: 30A Capacitive load: 16A Normally-open relay, 4-pin, 12V Max. load (at +80 °C) normally-open contact Resistive load: 30A Inductive load: 16A Capacitive load: 16A
	4RA 965 400-001	1	
	4RA 965 400-031	1	Normally-open relay, 4-pin, 24V
	4RA 007 791-021	1	With bracket and resistor in parallel with coil. Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 35A Capacitive load: 30A Normally-open relay, 4-pin, 12V Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 15A
	4RA 007 957-011 4RA 007 957-017	1 200	Normally-open relay, 4-pin, 24V
  			Without bracket. Max. load (at +80 °C) normally-open contact Resistive load: 30A Inductive load: 30A Capacitive load: 16A Normally-open relay, 4-pin, 12V Without bracket, with resistor in parallel with coil. Max. load (at +80 °C) normally-open contact Resistive load: 25A Inductive load: - Capacitive load: - Normally-open relay, 4-pin, 12V
4RA 965 400-017	250		
4RA 003 530-011	1		

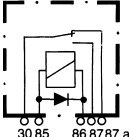
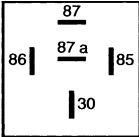
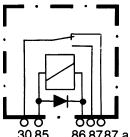
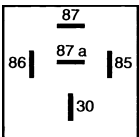
	Part no.	Pk.	Normally-open relays (mini-relays) Without bracket. Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 30A Capacitive load: 30A
	4RA 933 332-101 4RA 933 332-107	1 40	Normally-open relay, 4-pin, 12V Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 16A
	4RA 933 332-111 4RA 933 332-117	1 40	Normally-open relay, 4-pin, 24V
			Without bracket, with resistor in parallel with coil. Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 35A Capacitive load: 30A
	4RA 007 791-011 4RA 007 791-017	1 200	Normally-open relay, 4-pin, 12V Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 15A
	4RA 007 957-001 4RA 007 957-007	1 200	Normally-open relay, 4-pin, 24V
	4RD 933 332-211	1	Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 30A Capacitive load: 30A Normally-open relay, 4-pin, 12V
	4RA 933 791-061 4RA 933 791-067	1 40	Normally-open relays (mini-relays) with dual output With bracket. With two "87" connections. Ideal for switching pairs of consumers, e.g. auxiliary lamps. Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 30A Capacitive load: 30A
	4RA 933 791-071	1	Normally-open relay, 5-pin, 24V Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 16A



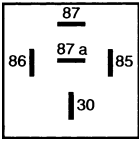
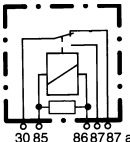
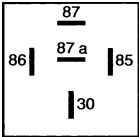
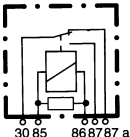
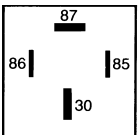
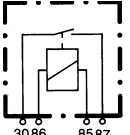
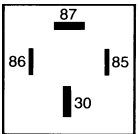
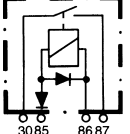
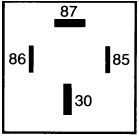
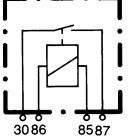
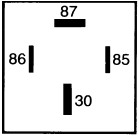
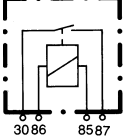
	Part no.	Pk.	Normally-open relay (mini-relays) with dual output Without bracket. With two "87" connections. Ideal for switching pairs of consumers, e.g. auxiliary lamps. Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 30A Capacitive load: 30A
	4RA 933 332-151	1	Normally-open relay, 5-pin, 12V Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 16A
	4RA 933 791-081	1	Normally-open relay, 5-pin, 24V
	4RA 003 530-081	1	With bracket and blade terminal contacts. Max. load (at +80 °C) normally-open contact Resistive load: 16A Inductive load: - Capacitive load: - Normally-open relay, double, 8-pin, 12V
	4RA 003 530-031 4RA 003 530-037	1 288	Normally-open relay (power mini-relays) With bracket and resistor in parallel with coil. Max. load (at +80 °C) normally-open contact Resistive load: - Inductive load: 60A Capacitive load: - Normally-open relay, 4-pin, 12V
	4RA 007 793-041 4RA 007 793-047	1 175	Normally-open relay, 4-pin, 12V
	4RA 003 530-021	1	Without bracket, with resistor in parallel with coil. Max. load (at +80 °C) normally-open contact Resistive load: - Inductive load: 20A Capacitive load: - Normally-open relay, 4-pin, 12V
	4RA 003 530-067	288	Normally-open relay, 4-pin, 12V
	4RA 007 793-031 4RA 007 793-037	1 175	Normally-open relay, 4-pin, 12V

			Part no.	Pk.	Change-over relays (mini-relays)	
					With bracket. Max. load (at +80 °C) normally-closed contact Resistive load: 20A Inductive load: 6A Capacitive load: 10A	Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 20A Capacitive load: 20A
			4RD 933 332-011	1	Change-over relay, 5-pin, 12V	
			4RD 933 332-041 4RD 933 332-047	1 40	Change-over relay, 5-pin, 12V	
					Max. load (at +80 °C) normally-closed contact Resistive load: 20A Inductive load: 6A Capacitive load: 10A	Max. load (at +80 °C) normally-open contact Resistive load: 30A Inductive load: 20A Capacitive load: 20A
			4RD 933 332-061 4RD 933 332-067	1 40	Change-over relay, 5-pin, 24V	
					Max. load (at +80 °C) normally-closed contact Resistive load: 10A Inductive load: 8A Capacitive load: 5A	Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 15A
			4RD 933 332-061 4RD 933 332-067	1 40	Change-over relay, 5-pin, 24V	
					Max. load (at +80 °C) normally-closed contact Resistive load: 20A Inductive load: 6A Capacitive load: 10A	Max. load (at +80 °C) normally-open contact Resistive load: 30A Inductive load: 20A Capacitive load: 20A
			4RD 933 332-237	40	Change-over relay, 5-pin, 12V	
					Max. load (at +80 °C) normally-closed contact Resistive load: 20A Inductive load: 5A Capacitive load: 20A	Max. load (at +80 °C) normally-open contact Resistive load: 30A Inductive load: - Capacitive load: 30A
			4RD 007 794-031	1	Change-over relay, 5-pin, 12V	
					Max. load (at +80 °C) normally-closed contact Resistive load: - Inductive load: - Capacitive load: 5A	Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 15A
			4RD 007 903-011 4RD 007 903-017	1 240	Change-over relay, 5-pin, 24V	
					Max. load (at +80 °C) normally-closed contact Resistive load: 10A Inductive load: 8A Capacitive load: 5A	Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 15A
			4RD 933 332-081 4RD 933 332-087	1 40	Change-over relay, 5-pin, 24V	

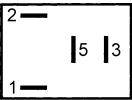
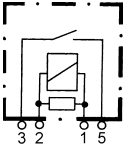
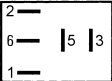
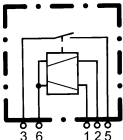
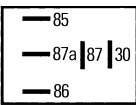
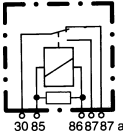
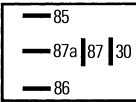
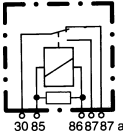
  	Part no.	Pk.	Change-over relays (mini-relays) Without bracket, with diode in parallel with coil. Max. load (at +80 °C) normally-closed contact Resistive load: 20A Inductive load: - Capacitive load: 10A Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 40A Capacitive load: 20A
	4RD 003 530-077	192	Change-over relay, 5-pin, 12V
	  	1	Without bracket. Max. load (at +80 °C) normally-closed contact Resistive load: 20A Inductive load: 6A Capacitive load: 10A Max. load (at +80 °C) normally-open contact Resistive load: 40A Inductive load: 20A Capacitive load: 20A
		40	Change-over relay, 5-pin, 12V
	  	1	Max. load (at +80 °C) normally-closed contact Resistive load: 10A Inductive load: 8A Capacitive load: 5A Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 15A
		40	Change-over relay, 5-pin, 24V
	  	1	Without bracket, with resistor in parallel with coil. Max. load (at +80 °C) normally-closed contact Resistive load: 20A Inductive load: 5A Capacitive load: 20A Max. load (at +80 °C) normally-open contact Resistive load: 30A Inductive load: - Capacitive load: 30A
		200	Change-over relay, 5-pin, 12V
		200	
	  	1	Max. load (at +80 °C) normally-closed contact Resistive load: - Inductive load: - Capacitive load: 5A Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 15A
		200	Change-over relay, 5-pin, 24V
  	4RD 933 332-261	1	Max. load (at +80 °C) normally-closed contact Resistive load: 10A Inductive load: 8A Capacitive load: 5A Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 15A
		1	Change-over relay, 5-pin, 24V
	  	1	Without bracket, with diode in parallel with coil. Max. load (at +80 °C) normally-closed contact Resistive load: 20A Inductive load: 5A Capacitive load: 20A Max. load (at +80 °C) normally-open contact Resistive load: 30A Inductive load: - Capacitive load: 30A
		200	Change-over relay, 5-pin, 12V
  	4RD 007 903-021 4RD 007 903-027	1	Max. load (at +80 °C) normally-closed contact Resistive load: - Inductive load: - Capacitive load: 5A Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 16A Capacitive load: 15A
		200	Change-over relay, 5-pin, 24V

 	Part no.	Pk.	Change-over relays (mini-relays) Without bracket, with diode in parallel with coil. Max. load (at +80 °C) normally-closed contact Max. load (at +80 °C) normally-open contact Resistive load: 20A Resistive load: 30A Inductive load: 6A Inductive load: 20A Capacitive load: 10A Capacitive load: 20A
			Change-over relay, 5-pin, 12V Max. load (at +80 °C) normally-closed contact Max. load (at +80 °C) normally-open contact Resistive load: 10A Resistive load: 20A Inductive load: 8A Inductive load: 16A Capacitive load: 5A Capacitive load: 15A
	4RD 933 332-021 4RD 933 332-027	1 40	Change-over relay, 5-pin, 12V
	4RD 933 332-091 4RD 933 332-097	1 40	Change-over relay, 5-pin, 24V



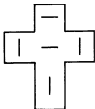
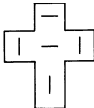
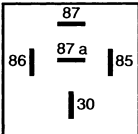
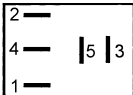
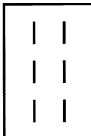
  	Part no.	Pk.	Change-over relays (skirted-relays) With bracket and resistor in parallel with coil. Max. load (at +80 °C) normally-closed contact Resistive load: 20A Inductive load: 6A Capacitive load: 10A Max. load (at +80 °C) normally-open contact Resistive load: 30A Inductive load: 20A Capacitive load: 20A
	4RD 933 332-031	1	Change-over relay, 5-pin, 12V
	  	16	Without bracket, with resistor in parallel with coil. Max. load (at +80 °C) normally-closed contact Resistive load: 20A Inductive load: 6A Capacitive load: 10A Max. load (at +80 °C) normally-open contact Resistive load: 30A Inductive load: 20A Capacitive load: 20A Change-over relay, 5-pin, 12V
			Heavy-duty normally open relays (mini-relays) With bracket. Max. load (at +80 °C) normally-closed contact Resistive load: - Inductive load: - Capacitive load: - Max. load (at +80 °C) normally-open contact Resistive load: 60A Inductive load: - Capacitive load: - Heavy-duty normally open relay, 4-pin, 12V
	4RA 003 437-081 4RA 003 437-087	1 120	Heavy-duty normally open relay, 4-pin, 12V
	  	1 120	Without bracket. Max. load (at +80 °C) normally-closed contact Resistive load: - Inductive load: - Capacitive load: - Max. load (at +80 °C) normally-open contact Resistive load: 60A Inductive load: - Capacitive load: 25A Heavy-duty normally open relay, 4-pin, 24V
	4RA 003 437-091 4RA 003 437-097		With holder and additional diodes (anti-surge diode and polarity reversal protection diode) Max. load (at +80 °C) normally-closed contact Resistive load: - Inductive load: - Capacitive load: - Max. load (at +80 °C) normally-open contact Resistive load: 60A Inductive load: - Capacitive load: - Heavy-duty normally open relay, 4-pin, 12V
  	4RA 003 437-101	1	Heavy-duty normally open relay, 4-pin, 12V
	  	1	Without bracket. Max. load (at +80 °C) normally-closed contact Resistive load: - Inductive load: - Capacitive load: - Max. load (at +80 °C) normally-open contact Resistive load: 60A Inductive load: - Capacitive load: - Heavy-duty normally open relay, 4-pin, 12V
	4RA 003 437-111		Heavy-duty normally open relay, 4-pin, 12V
  	4RA 003 437-121	1	Without bracket. Max. load (at +80 °C) normally-closed contact Resistive load: - Inductive load: - Capacitive load: - Max. load (at +80 °C) normally-open contact Resistive load: 60A Inductive load: - Capacitive load: 25A Heavy-duty normally open relay, 4-pin, 24V
			Heavy-duty normally open relay, 4-pin, 24V



  	Part no.	Pk.	Normally-open relays (micro-relays)
			With bracket and resistor in parallel with coil. Max. load (at +80 °C) normally-closed contact Resistive load: - Inductive load: - Capacitive load: - Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 15A Capacitive load: 16A
	4RA 007 813-021	1	Normally-open relay, 4-pin, 12V
			Without bracket, with resistor in parallel with coil. Max. load (at +80 °C) normally-closed contact Resistive load: - Inductive load: - Capacitive load: - Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 15A Capacitive load: 16A
	4RA 007 813-011 4RA 007 813-017	1 350	Normally-open relay, 4-pin, 12V
			Normally-open relays (micro-relays) bistable Without bracket Max. load (at +80 °C) normally-closed contact Resistive load: - Inductive load: - Capacitive load: - Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 20A Capacitive load: 20A
  	4RC 933 364-027	200	Normally-open relay, 5-pin, 12V
  	4RD 007 814-031	1	Change-over relays (micro-relays) With bracket and resistor in parallel with coil. Max. load (at +80 °C) normally-closed contact Resistive load: 10A Inductive load: 11A Capacitive load: 10A Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 11A Capacitive load: 20A
  	4RD 007 814-011 4RD 007 814-017 4RD 007 814-087	1 350 200	Without bracket, with resistor in parallel with coil. Max. load (at +80 °C) normally-closed contact Resistive load: 10A Inductive load: 11A Capacitive load: 10A Max. load (at +80 °C) normally-open contact Resistive load: 20A Inductive load: 11A Capacitive load: 20A

					Part no.	Pk.	Normally-open relays (Solid-state relays)
							Solid-state relays are modern semi-conductor switches. Hella satisfies the increasing trend of controlling loads (e.g. fan motors, glow plugs, headlamps and heaters) with power regulation. Solid-state relays in detail: - Semi-conductor relays, suitable for resistive loads, lamp loads and inductive loads. - Pulse width modulation allows regulation of the power for the loads. - Maximum switching reliability, particularly suited for switching functions relevant for safety. - Compatible with conventional ISO-mini relays in terms of overall size and plug pattern. - Silent switching, e.g. in passenger compartment. - Resistant to short-circuit and overload. - Protected against polarity reversal and earth disconnection. - Shock and vibration-resistant. - Water-proof, potted design. - Protected against overheating. - Low quiescent current. - Max. load (at +85 °C) 22A at 12V. - Type of protection: IP 67. Note: on solid-state relays terminal 85 must be connected permanently to earth to ensure proper function over terminal 86.
					4RA 007 865-031	1	Solid-state relay, 12V, 25(105)°C, 18(12)A, 6(12)mOhm
					8JA 715 606-001	1	Sockets for relays For built-in or external fitting For mini-relays. With SAE terminal arrangement. For receiving five 6.3 mm blade terminal connectors. Made of black plastic. Socket, 5-pole
					8JA 003 526-001 8JA 003 526-002	5 50	For mini-relays. With SAE terminal arrangement. For receiving five 6.3 mm and four 2.8 mm blade terminal connectors. Made of black plastic. Socket, 9-pole
					8JD 733 767-001	5	For micro-relays. With SAE terminal arrangement. For receiving three 4.8 mm and two 6.3 mm blade terminal connectors. Made of black plastic. Socket, 5-pole



     	    	Part no.	Pk.	For circuit boards For mini-relays. With SAE terminal arrangement. For receiving five 6.3 mm blade terminal connectors. Made of black plastic. Socket, 5-pole
		8JA 717 291-007	1	
		8JD 733 963-001	5	For mini-relays. With SAE terminal arrangement. For receiving five 6.3 mm blade terminal connectors. Made of black plastic. Socket, 5-pole
		8JD 745 801-001	1	For waterproof ISO mini-relays 4RD 933 332-177 / -031 with pin arrangement B1. Connecting lead 30 cm, 48 cm. Socket, 5-pole
		8JD 733 962-001	5	For micro-relays. With SAE terminal arrangement. For receiving three 4.8 mm and two 6.3 mm blade terminal connectors. Made of black plastic. Socket, 5-pole
		9NH 701 230-001	10	For flasher units For receiving six 6.3 mm blade terminal connectors. Made of black plastic. Socket, 6-pole
		9KB 710 131-001	10	Retaining spring for relays For mounting mini-relays. Retaining spring



Manufacturer	Page
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Relays, Wiping Interval
Alfa Romeo - Saab



2

Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Alfa Romeo				Opel			
75	05/85->02/92	5WG 003 620-081	1	Ascona C	09/81->09/88	5WG 003 620-081	1
Audi				Astra F	09/91->		
A4 (8D2, B5)	11/94->05/97	5WG 003 620-081	1	Calibra	06/90->07/97		
A4 Avant (8D5, B5)	07/95->09/01			Corsa A	03/83->02/93		
A6 (4A, C4)	06/94->02/97			Corsa B	03/93->		
A6 Avant (4A, C4)	06/94->12/97			Kadett C	08/73->07/79		
Coupé	09/91->12/95			Kadett D	08/79->09/84		
80	08/72->07/95			Kadett E	10/84->08/91		
90	10/84->08/91			Omega A	10/86->02/94		
100	08/76->05/94			Senator A	08/87->08/93		
200	09/79->11/90			Tigra	11/94->		
Citroën				Vectra A	10/88->09/95		
Berlingo	10/96->	5WG 003 620-081	1	Peugeot			
BX	04/83->			106	01/92->04/96	5WG 003 620-081	1
CX	09/74->11/89			205	02/83->		
Xantia	03/93->			306	01/93->		
XM	12/89->			309	03/86->		
ZX	10/91->			405	07/87->09/96		
Ford				406	10/96->		
Galaxy	06/95->09/97	5WG 003 620-081	1	806	02/95->		
Mercedes-Benz				Renault			
207 D - 410 (T1, TN-series)	05/77->	5WG 002 450-311	1	Espace	01/85->	5WG 009 101-051 Height 30 mm alternatively: 5WG 003 620-081 Height 42 mm	1
Mitsubishi				Kangoo	03/98->		1
Carisma	01/95->	5WG 009 101-101 Rear window intermittent wash-wipe control unit	1	Laguna	04/94->		
		8PD 009 135-001 Adapter for vehicle without intermittent function	1	Safrane	01/93->		
				Twingo	06/93->		
				Master	01/85->12/97		
				Saab			
				90	08/84->07/87	5WG 003 620-081	1
				900	10/78->08/93		
				9000	05/85->		



Relays, Wiping Interval

Seat - Volvo



Manufacturer Model	Model year	Part no.	Pk.	Manufacturer Model	Model year	Part no.	Pk.
Seat				Volkswagen			
Alhambra (7V8, 7V9)	04/96->09/97	5WG 003 620-081	1	Polo I, II, III	08/76->09/01	5WG 003 620-081	1
Arosa (6H)	05/97->			Polo III Classic	11/95->09/01		
Cordoba (6K2/C2)	02/93->06/99			Polo Estate	04/97->09/01		
Cordoba (6K2)	06/99->10/02			Santana	09/81->01/85		
Ibiza I (021A)	06/84->12/93			Scirocco I, II	08/75->09/92		
Ibiza II (6K1)	03/93->08/99			Sharan	05/95->09/97		
Ibiza III (6K1)	08/99->02/02			Vento	01/92->10/98		
Inca (6K9)	08/97->			Transporter (T4) California, Caravelle, Multivan, Transporter	09/90->		
Toledo I (1L)	01/91->03/99						
Skoda				Volvo			
Favorit	03/89->	5WG 003 620-081	1	S70	02/97->	5WG 003 620-081	1
Felicia	10/94->			V40	04/96->12/98		
Vauxhall				V70	02/97->		
Vectra	10/88->09/95	5WG 003 620-081	1	340	07/76->12/91		
Volkswagen				360	08/81->07/90		
Corrado (53I)	09/88->12/95	5WG 003 620-081	1	440, 460	09/88->	5WG 009 101-161 Height 30 mm alternatively: 5WG 003 620-081 Height 42 mm	1
Derby (86)	02/77->09/81						
Derby (86C, 80)	08/81->12/84						
Golf I (17)	08/77->12/85						
Golf II (19E, 1G1)	08/83->12/92						
Golf III (1H1)	08/91->08/97						
Golf III Estate (1H5)	07/93->04/99						
Jetta I (17)	08/79->01/85						
Jetta II (19E, 1G2)	01/84->12/92						
Passat (32)	08/75->07/80	5WG 003 620-081	1				
Passat Estate (33)	08/75->10/81						
Passat (32B)	08/80->12/88						
Passat Estate (32B)	08/80->06/89						
Passat (3A2, 35I)	02/88->08/96						
Passat Estate (3A5, 35I)	02/88->05/97						
Passat (3B2)	08/96->08/97						
Passat Estate (3B5)	06/97->08/97						



Relays, Wiping Interval

Bova - Steyr



2

Manufacturer Model	Model year	Part no.	Pk.
Bova			
Europa		5WG 002 450-301 24V	1
Delta Plan			
various models		5WG 002 450-301 24V	1
Iveco			
180-24 - 240-38, 256 M - 320 M (T-series)	05/78->	5WG 002 450-291 24V	1
Mercedes-Benz			
L 406 D - L 613 D	09/82->12/85	5WG 002 450-281 24V	1
L 1518 - L 2624	01/66->12/74	5WG 002 450-281 24V	1
O 309, O 309 D	09/82->12/88	5WG 002 450-281 24V	1
O 405 O 405 VÖV II O 407	01/84->	5WG 002 450-281 24V	1
507 D - 814 D (T2, LN1-series)	01/86->	5WG 002 450-281 24V	1
709 - 1524 (LK, LN2-series)	03/84->	5WG 002 450-281 24V	1
1013 - 3850 (New generation)	08/73->08/88	5WG 002 450-281 24V	1
Scania			
G 82 - T 142 (series 2)	07/80->12/87	5WG 002 450-301 24V	1
G 83 - T 143 (series 3)	01/88->		
Steyr			
6 S - 17 S	01/86->	5WG 002 450-301 24V	1
19 S - 40 S	10/87->		
791 - 1491	04/78->09/87		

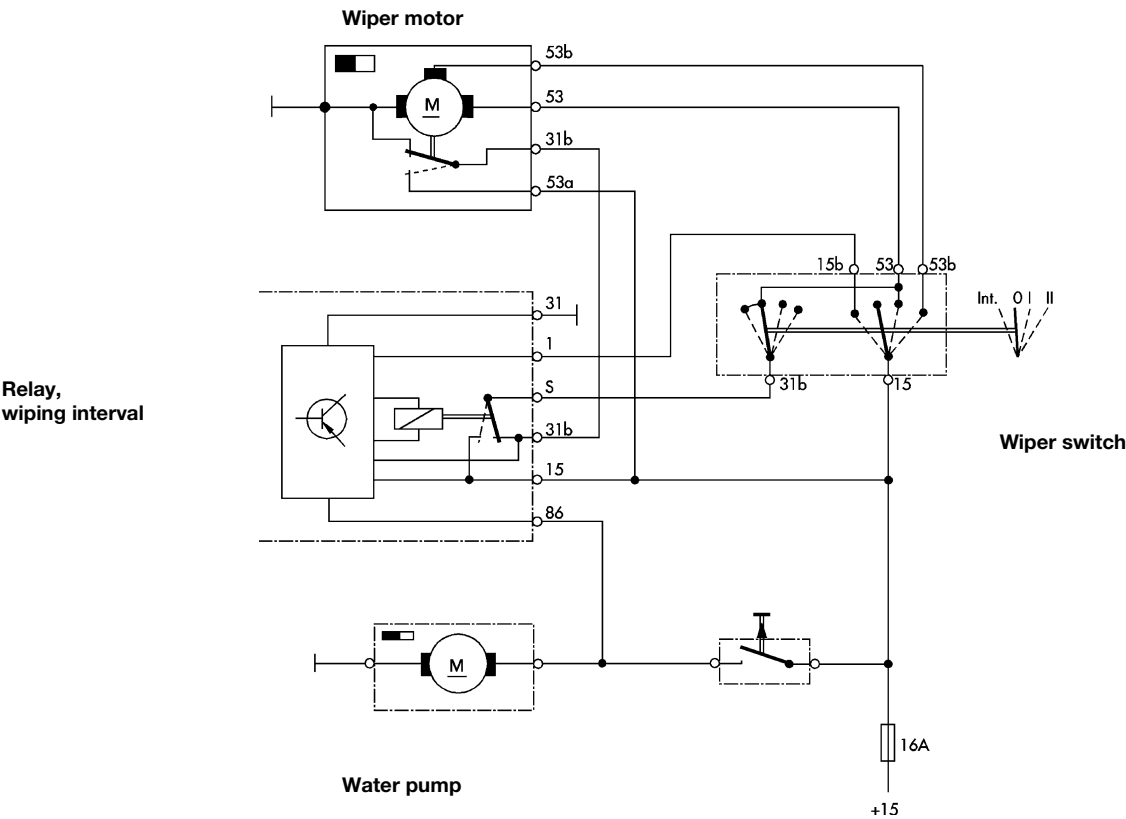


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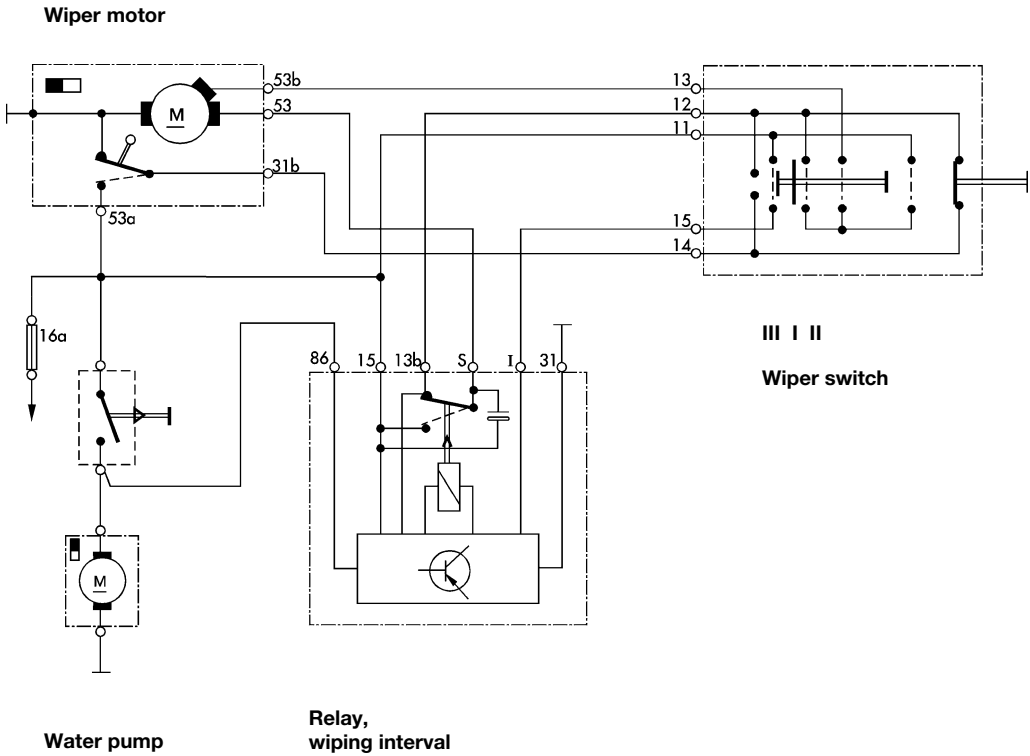
	5WG 003 620-08	5WG 002 450-28
Nominal voltage	12V	24V
Operating temperature	-20 °C ... +60 °C	-25 °C ... +70 °C
Cutoffdelay (wipe dry) 15 s delay between 2 washing cycles	4.75 s ± 1.25 s at 10V ... 15V and -10 °C ... +60 °C	Room temperature
Interval delay time	5,5 s ± 1,5 s at 10V ... 15V and -10 °C ... +60 °C	5 s ± 1 s at 26V and room temperature
Rated current load of power circuit	12V-wiper motor at I = 5 A	24V-wiper motor at I = 3,5 A

Test duration of wiper-washer operation
30.000 switching operations at 3 cycles per minute
250 h continuous interval wiping combined with wash-cycle, 1 wash impulse per minute

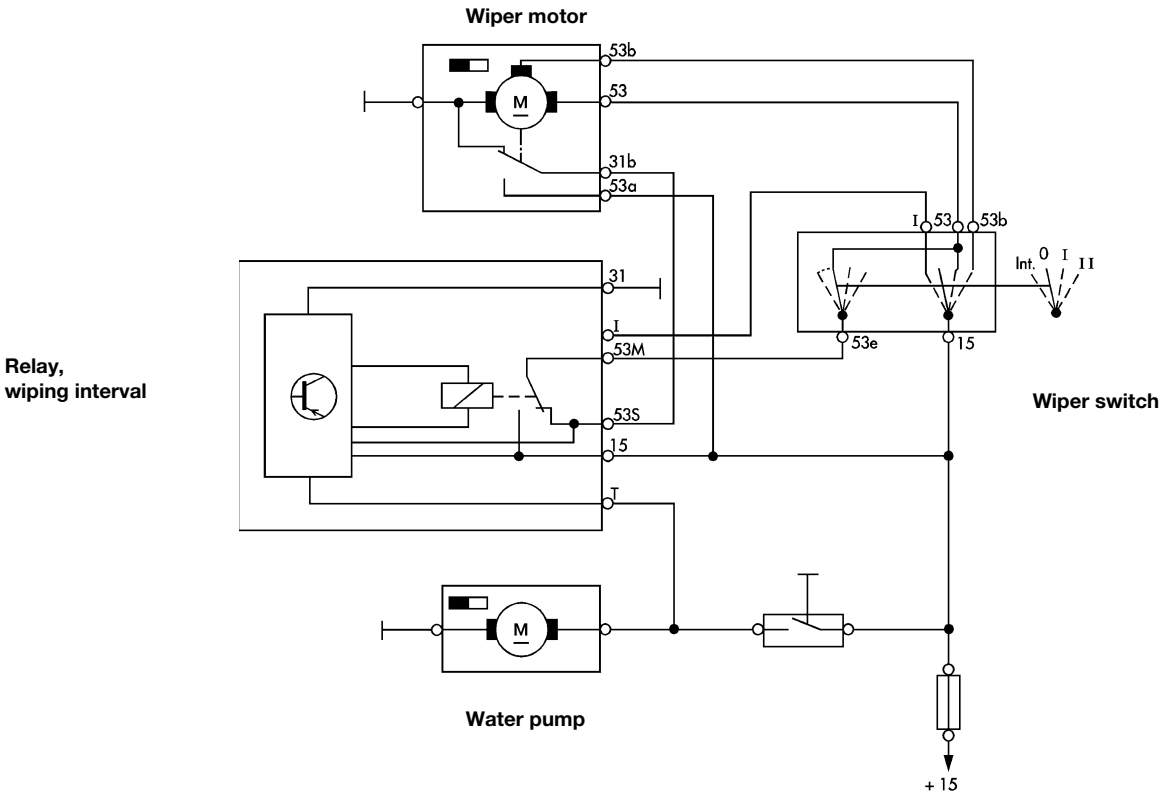
5WG 003 620-08

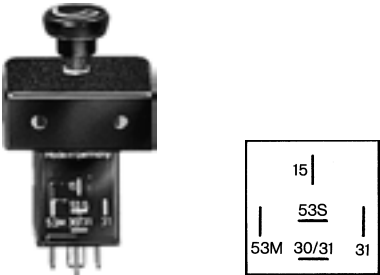
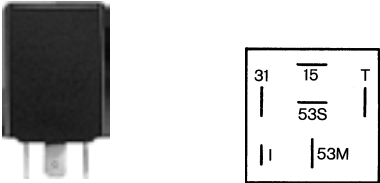
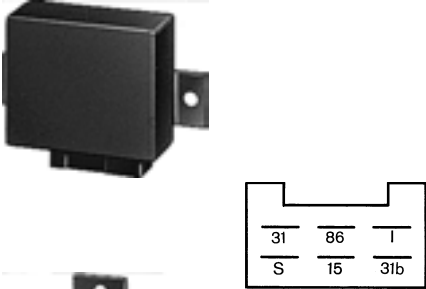
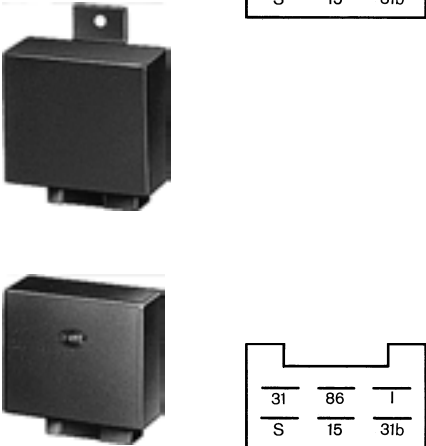


5WG 002 450-28



5WG 002 450-31

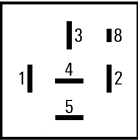
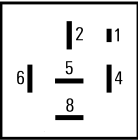
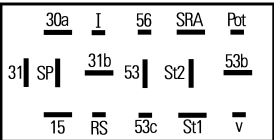
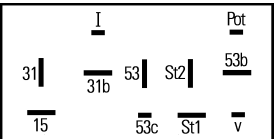
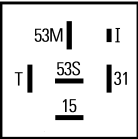
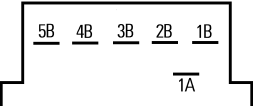


	Part no.	Pk.	Switches, wiping interval The intermittent switch automatically stops/starts the windscreen wiper at regular intervals, 2-20 times per minute. For windscreen and rear window wipers, for positive and negative-earth vehicles. With installation material. Switch, wiping interval, 5-pin, 12V
	5WA 001 871-041	1	24V
	5WA 001 871-051	1	
  	Relays, wiping interval for windscreen Alfa Romeo, Audi, Citroën, Daihatsu, Ford, Mazda, Mercedes-Benz, Mitsubishi, Opel, Peugeot, Porsche, Renault, Rover, Saab, Seat, Subaru, Suzuki, Skoda, Toyota, Volkswagen, Volvo Dimensions: 30 x 30 x 42 mm.		
	5WG 003 620-081	1	12V, 6-pin
	5WG 003 620-087	196	
	Mercedes-Benz 5WG 002 450-281 5WG 002 450-287	1 50	24V, 6-pin
	Iveco Magirus, Mercedes-Benz 5WG 002 450-311 5WG 002 450-317	1 100	12V, 6-pin
	5WG 002 450-291 5WG 002 450-297	1 100	24V, 6-pin
	Bova, Scania, Steyr 5WG 002 450-301 5WG 002 450-307	1 140	24V, 6-pin



Relays, Wiping Interval

2

Part no.	Pk.	Relays, Wiping Interval
 	5WG 009 101-051	1 Renault 12V, 6-pin
	5WG 009 101-101	1 Mitsubishi For rear window, for vehicles with intermittent function, 12V, 6-pin
 	8PD 009 135-001	1 Adapter for vehicles without intermittent function
 	5WG 009 101-111	1 Audi, Volkswagen 12V, 16-pin
 	5WG 009 101-141	1 Audi, Volkswagen 12V, 16-pin
 	5WG 009 101-161	1 Volvo 12V, 6-pin
 	5WG 009 134-001	1 24V, 6-pin



Relays, Headlight Cleaning

Volkswagen



Manufacturer Model	Model year	Part no.	Pk.
Volkswagen			
Caddy II Van	06/97->	5WD 005 674-081 for telescopic nozzles	1
Corrado	06/89->07/95	5WD 005 674-081 for telescopic nozzles	1
Golf I Cabriolet	06/84->07/93	5WD 005 674-081 for telescopic nozzles	1
Golf II	06/85->07/92	5WD 005 674-081 for telescopic nozzles	1
Golf III	09/91->07/98	5WD 005 674-081 for telescopic nozzles	1
Golf III Convertible	06/93->		
Golf III Variant	06/94->04/99		
Passat up to chassis no. 32-J-299 999	06/81->07/88	5WD 005 674-081 for telescopic nozzles	1
Passat up to chassis no. 3A-V-300 000	06/88->07/97	5WD 005 674-081 for telescopic nozzles	1
Passat Syncro	06/85->07/97	5WD 005 674-081 for telescopic nozzles	1
Santana up to chassis no. 32-J-299 999	06/81->01/85	5WD 005 674-081 for telescopic nozzles	1
Scirocco II	06/84->07/92	5WD 005 674-081 for telescopic nozzles	1
LT II, 4x4	06/97->	5WD 005 674-081 for telescopic nozzles	1



Relays, Headlight Cleaning

Iveco - Renault Trucks

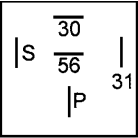
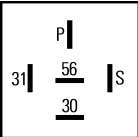
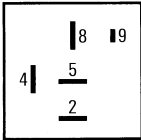
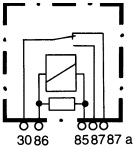


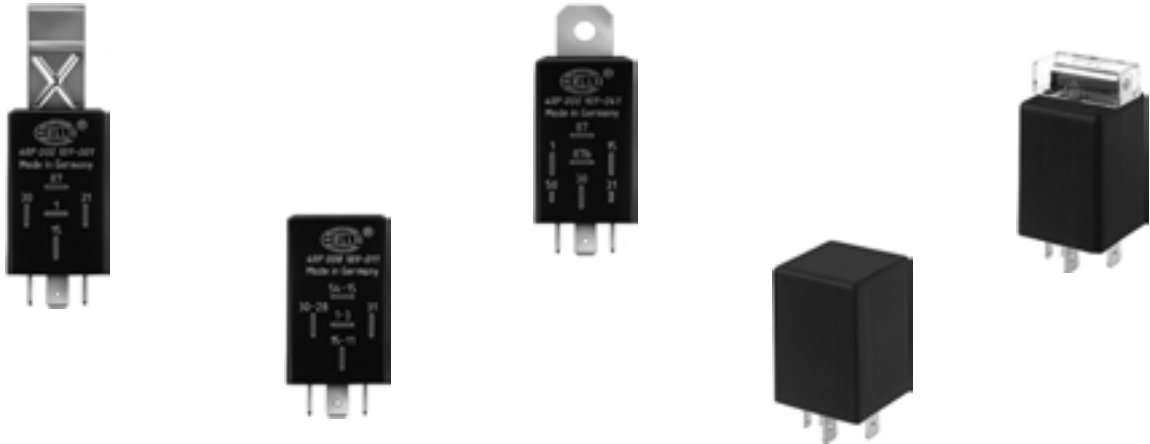
Manufacturer Model	Model year	Part no.	Pk.
Iveco			
various models		5WD 005 674-141 for telescopic nozzles 24V	1
Mercedes-Benz			
Actros	10/96->10/02	5WD 005 674-141 24V	1
Actros MP2	10/02->	5WD 005 674-141 24V	1
Axor	09/01->04	5WD 005 674-141 24V	1
Renault Trucks			
Kerax	06/97->	5WD 003 547-071 24V	1
Premium	04/96->	5WD 003 547-071 24V	1

Relays, Headlight Cleaning

Relays, Lock System



 	Part no.	Pk.	Relays, headlight cleaning
	5WD 005 674-131	1	12V, 5-pin
	5WD 005 674-141	1	Iveco, Mercedes-Benz 24V, 5-pin
	5WD 005 674-081	1	Volkswagen 12V, 5-pin
 	5WD 003 547-071	1	Renault Trucks 24V, 5-pin
 	4RA 009 120-001	1	Relays, lock system BMW Z3 10/95->09/98 3 series (E36) 12/90->09/98 7 series (E38) 10/94->09/98 Relay, lock system, 12V, 5-pin Four 6.3 mm blade terminal contacts One 2.8 mm blade terminal contact
 	4RD 004 122-011	1	Mercedes-Benz C 180 - C 280 T 03/93->03/01 E 200 - E 430 T 06/95->03/03 S 280 - S 600 03/91->10/98 SL 09/85->10/01 190 10/82->08/93 200 - 300 TD 02/76->12/85 200 - 500 E 12/84->06/93 280 S - 450 SEL 10/72->12/79 260 SE - 500 SEL 10/79->06/91 Relay, 12V



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Application chart for passenger cars and vans

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Product descriptions

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Relays, Fuel Pump

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Relays, Fuel Pump
Alfa Romeo - BMW



Manufacturer Model Vehicle type	Model Year	Part no.	Note
Alfa Romeo			
75 (162B)	05/85->12/92		
1.8 Turbo i.e. (162.B1E) (AR 06158)		4RP 008 189-111	
Audi			
80 (81, 85, B2)	08/78->08/86		
1.6 GLE (YZ, 01/79->09/80); 1.6 (DT, 08/78->09/80); 1.6 (YP, 08/78->09/80); 2.0 quattro (85Q) (JS); 2.0 (JS, HP); 2.2 quattro (85Q) (KK); 2.2 (WE)		4RP 008 189-081	
1.8 CC quattro (85Q) (JN, 05/86->08/86); 1.8 CC quattro (85Q) (NE, 05/86->08/86); 1.8 (DS, 05/86->08/86); 1.8 (JN, 05/86->08/86); 1.8 (SF, 05/86->07/86)		4RP 008 189-061	
1.8 CC quattro (85Q) (JN, 08/85->05/86); 1.8 CC quattro (85Q) (NE, 08/84->05/86); 1.8 (DS, 01/83->05/86); 1.8 (JN, 08/83->05/86); 1.8 (SF, 02/86->05/86)		4RP 008 189-071	
1.8 GTE quattro (85Q) (DZ); 1.8 GTE quattro (85Q) (PV); 1.8 GTE (DZ); 1.8 GTE (PV)		4RP 008 189-091	
Coupé (81, 85)	07/80->10/88		
1.8 GT (DS, JV, 01/85->08/88); 1.8 GT (DZ, 08/86->08/88); 1.8 GT (JN); 1.8 GT (PV); 1.8 GT (SF, 04/86->08/88)		4RP 008 189-061	
2.0 (JS, HP); 2.0 (SK)		4RP 008 189-071	
2.2 quattro (JT, 08/85->12/87); 2.2 quattro (KV, 10/84->12/87)		4RP 008 189-081	
80 (89, 89Q, 8A, B3)	06/86->10/91		
1.8 quattro (SD); 1.8 E quattro (DZ); 1.8 S quattro (PM, JN, NE); 1.8 S quattro (SF); 1.8 S (PM, JN, NE); 1.8 S (SF); 1.8 (RU); 1.8 (SD)		4RP 008 189-061	
2.0 quattro (3A); 2.0 quattro (AAD); 2.0 E quattro (3A); 2.0 E (3A); 2.0 (AAD)		4RP 008 189-081	
Coupé (89, 8B)	10/88->12/96		
1.8 (DZ); 2.0 (AAD, ABK)		4RP 008 189-061	
2.0 20 V quattro (NM); 2.2 quattro (KV)		4RP 008 189-071	
90 (81, 85, B2)	08/84->03/87		
all vehicle types - 1.6 TD, 2.0 quattro		4RP 008 189-081	
90 (89, 89Q, 8A, B3)	04/87->09/91		
2.0 (PS)		4RP 008 189-081	
2.2 E quattro (KV); 2.2 E (KV)		4RP 008 189-071	
100 (44, 44Q, C3)	08/82->11/90		
1.8 quattro (NP, JW, 08/87->12/87); 1.8 quattro (SH, 08/87->12/87); 1.8 (DR, RS, 08/82->08/86); 1.8 (DS, NP, JW, 08/83->08/86); 1.8 (SH, 02/86->08/86)		4RP 008 189-061	
1.8 quattro (NP, JW, 10/84->07/87); 1.8 quattro (SH, 08/86->07/87); 1.8 (DR, RS, 08/86->12/87); 1.8 (DS, NP, JW, 08/86->07/89); 1.8 (SH, 08/86->07/88); 2.0 (KP); 2.0 (SL); 2.1 (WC)		4RP 008 189-071	
2.0 KAT (RT); 2.2 KAT (KU, HX); 2.2 quattro KAT (KU, HX); 2.2 quattro (KU); 2.2 E quattro (PX); 2.2 (KU); 2.2 (KZ)		4RP 008 189-081	
100 Avant (44, 44Q, C3)	08/82->11/90		
1.8 quattro KAT (PH, 4B, 08/85->07/88); 1.8 quattro (NP, JW, 01/88->07/88); 1.8 quattro (SH, 01/88->07/88); 1.8 (DR, RS, 08/82->08/86); 1.8 (NP, JW, DS, 08/83->08/86); 1.8 (SH, 02/86->08/86)		4RP 008 189-061	
1.8 (DR, RS, 08/86->12/87); 1.8 (NP, JW, DS, 08/86->07/87); 1.8 (SH, 08/86->07/87); 2.0 E (KP); 2.1 (WC)		4RP 008 189-071	
2.0 E KAT (RT); 2.0 (SL); 2.2 KAT (KU, HX); 2.2 quattro KAT (KU, HX); 2.2 quattro (KU); 2.2 E quattro (PX); 2.2 (KU); 2.2 (KZ)		4RP 008 189-081	
200 (44, 44Q)	06/83->12/91		
2.1 5 E (WC); 2.1 Turbo quattro (KG); 2.1 Turbo (KG); 2.2 (KU)		4RP 008 189-081	
200 Avant (44, 44Q)	09/83->12/91		
2.1 Turbo quattro (KG)		4RP 008 189-081	
BMW			
3 (E30)	09/82->01/92		
315 (M 10 B 16 (1B2)); 316 (Ecotronic) (M 10 B 18 (2BE)); 316 i (M 10 B 18 (L-Jetronic,Kat.)); 316 i (M 40 B 16); 316 i (M 40 B 16 (Kat.)); 316 (M 10 B 18 (2B4)); 318 i (M 10 B 18 (K-Jetronic)); 318 i (M 10 B 18 (K-Jetronic), 01/83->12/84); 318 i (M 10 B 18 (L-Jetronic), M 10 B 18 (L-Jetronic,Kat.)); 318 i (M 40 B 18); 318 is (M 42 B 18); 320 i (M 20 B 20); 320 i (M 20 B 20 (L-Jetronic)); 323 i (M 20 B 23 (L-Jetronic)); 324 d (M 21 D 24 W); 324 td (M 21 D 24 WA); 325 e 2.7 (M 20 B 27); 325 i X (M 20 B 25); 325 i X (M 20 B 25 (Kat.)); 325 i (M 20 B 25); M3 2.3 (S 14 B 23)		4RP 008 189-141	



Relays, Fuel Pump

BMW - Ford



Manufacturer Model Vehicle type	Model Year	Part no.	Note
BMW			
3 Convertible (E30)	12/85->10/93		
320 i (M 20 B 20)		4RP 008 189-141	
Citroën			
CX II	07/85->12/92		
25 GTi Turbo 2 (M25-662); 25 GTi Turbo 2 (M25-667); 25 GTi (M25-668); 25 TRi (M25-659)		4RP 008 189-111	
CX II Break	07/85->12/92		
25 i (M25-668); 25 TRi (M25-659)		4RP 008 189-111	
XM (Y3)	05/89->06/94		
2.0 i Turbo (RGY (XU10J2TE/Z)); 2.0 i (RFZ (XU10J2)); 2.0Y		4RP 008 189-121	
XM Break (Y3)	05/89->07/94		
2.0 i (Y3A) (RDZ (XU10MZ), XU102C); 2.0 i (RFZ (XU10J2)); 2.0 Turbo (RGY (XU10J2TE/Z))		4RP 008 189-121	
XM (Y4)	05/94->10/00		
2.0 i 16V (RFV (XU10J4R)); 2.0 Turbo (RGX (XU10J2TE))		4RP 008 189-121	
XM Break (Y4)	05/94->10/00		
2.0 i 16V (RFV (XU10J4R)); 2.0 Turbo (RGY (XU10J2TE/Z), RGX (XU10J2TE))		4RP 008 189-121	
Ferrari			
Mondial	07/80->12/93		
all vehicle types		4RP 008 189-111	
Mondial Convertible	03/84->12/93		
3.2 Quattrovalvole (F 105 C.); 3.4 T (F 119 D); 8 Quattrovalvole (F 105 A.)		4RP 008 189-111	
Fiat			
Croma (154)	12/85->12/96		
2000 16V (154 E1.000); 2000 CHT (154.AC) (154 A1.000); 2000 i.e. (154.AD) (834 B.000, 154 C3.000); 2000 i.e. (154.AM) (834 B.048); 2000 i.e. (154.AM, 154.LM) (154 C3.046, 834 B.146); 2000 i.e. Turbo (154.AM) (154 A2.000); 2000 i.e. Turbo (154.AM, 154.LM) (154 C4.046, 834 C.146); 2000 i.e. Turbo (834 C.146)		4RP 008 189-111	
Uno (146A/E)	01/83->08/00		
1.3 Turbo i.e. (146 A2.000); 1.3 Turbo i.e. (146 A2.146); 1.3 Turbo i.e. (146 A2.246); 1.4 Turbo i.e. (146 A8.046)		4RP 008 189-111	
Ford			
Capri III (GECP)	01/78->04/87		
2.8 Super Injection (PRN)		4RP 008 189-001	
Escort III (GAA)	09/80->07/86		
1.6 RS Turbo (LNA); 1.6 XR3i (LRA, LR1); 1.6 (LPA, LP1)		4RP 008 189-011	
Escort IV (GAF, AWF, ABFT)	10/85->10/90		
1.6 Turbo RS (LNB); 1.6 XR3i (LR2, LRB)		4RP 008 189-011	
Escort IV Convertible (ALF)	01/86->07/90		
1.6 XR3i (LR2, LRB)		4RP 008 189-011	
Escort V (GAL)	07/90->12/92		
1.6 (LJF); 1.6 (LUK, LUJ); 1.8 16V XR3i (RDA); 1.8 16V XR3i (RQB)		4RP 008 189-011	
Escort V Estate (GAL, AVL)	07/90->12/92		
1.6 (LJF); 1.6 (LUK, LUJ); 1.8 16V (RDA)		4RP 008 189-011	
Escort V Convertible (ALL)	07/90->12/92		
1.6 (LJF); 1.8 16V XR3i (RDA); 1.8 16V XR3i (RQB)		4RP 008 189-011	
Escort VI (GAL)	09/92->01/95		
1.6 i 16V (L1E); 1.6 i 16V (L1H); 1.8 i 16V (RDA); 1.8 XR3i 16V 4x4 (RDA); 1.8 XR3i 16V 4x4 (RQB)		4RP 008 189-011	
Escort VI Saloon (GAL)	08/93->01/95		
1.6 i 16V (L1E, L1K); 1.6 i 16V (L1H); 1.8 i 16V (RDA)		4RP 008 189-011	



Relays, Fuel Pump

Ford



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Manufacturer Model Vehicle type	Model Year	Part no.	Note
Ford			
Escort VI Estate (GAL)	09/92->01/95		
1.6 i 16V (L1E); 1.6 i 16V (L1H); 1.8 i 16V (RDA); 1.8 i 16V (RQB)		4RP 008 189-011	
Escort VI Convertible (ALL)	12/92->01/95		
1.6 16V XR3i (L1E); 1.6 i 16V (L1H)		4RP 008 189-011	
Escort VII (GAL, AAL, ABL)	01/95->10/98		
1.6 16V 4x4 (L1E); 1.6 16V (L1E); 1.8 16V (RKC)		4RP 008 189-011	
Escort VII Saloon (GAL, AFL)	01/95->02/99		
1.6 i 16V (L1E, L1K); 1.8 16V (RKC)		4RP 008 189-011	
Escort VII Estate (GAL, ANL)	01/95->02/99		
1.6 16V (L1E); 1.8 16V (RKC)		4RP 008 189-011	
Escort VII Convertible (ALL)	02/95->08/00		
1.6 16V XR3i (L1E); 1.6 16V XR3i (L1H); 1.8 16V XR3i (RKC)		4RP 008 189-011	
Orion I (AFD)	07/83->03/86		
1.6 i (LRA, LR1)		4RP 008 189-011	
Orion II (AFF)	12/85->07/90		
1.6 i KAT (L4B); 1.6 i (LRB)		4RP 008 189-011	
Orion III (GAL)	07/90->12/93		
1.6 i 16V (L1E, L1K); 1.6 i (LJF); 1.8 i 16V (RDA); 1.8 i 16V (RQB)		4RP 008 189-011	
Scorpio I (GAE, GGE)	04/85->09/94		
1.8 (REC); 2.0 i (N9D); 2.0 i (NRA, NRI); 2.0 i (NRC); 2.0 (N8D, NEL); 2.4 i KAT (ARD); 4RP 008 189-001 2.4 i (ARC); 2.4 i (ARD); 2.8 i 4x4 (PRE); 2.8 i (PRE); 2.9 i 24V (BOA); 2.9 i 4x4 (BRC); 2.9 i 4x4 (BRF, BRE, BRD); 2.9 i KAT (BRE); 2.9 i (BRC); 2.9 i (BRE, BRF, BRD)			
Scorpio I Saloon (GGE)	09/86->12/94		
2.0 iY; 2.0 i (N9D); 2.0 i (N9F); 2.4 i (ARD); 2.9 i 24V (BOA); 2.9 i 4x4 (BRE, BRF, BRD); 4RP 008 189-001 2.9 i (BRE, BRF, BRD)			
Scorpio I Estate (GGE)	05/88->09/94		
2.0 i (N9D); 2.0 i (N9F); 2.4 i (ARD); 2.9 24V (BOA); 2.9 i 4x4 (BRF, BRE, BRD); 4RP 008 189-001 2.9 i (BRE, BRF, BRD)			
Scorpio II (G, GGR)	10/94->08/98		
2.0 i 16V (N3A); 2.0 i (NSD); 2.3 i 16V (Y5A); 2.9 i 24V (BOB); 2.9 i (BRG)		4RP 009 118-001	
Scorpio II Estate (GNR, GGR)	10/94->08/98		
2.0 i 16V (N3A); 2.0 i (NSD); 2.3 i 16V (Y5A); 2.9 i 24V (BOB); 2.9 i (BRG)		4RP 009 118-001	
Sierra Hatchback (GBC)	08/82->02/87		
2.0 i (NR2, NRB)		4RP 008 189-001 4RP 008 189-011	
2.8 XR 4x4 (PRT); 2.8 XR4i (PR6); 2.8 XR4i (PRT)		4RP 008 189-001	
Sierra Estate (BNC)	08/82->12/86		
2.8 XR4i (PR6)		4RP 008 189-001	
Sierra Hatchback (GBC, GBG)	01/87->03/93		
2.0 i KAT (N4B, 01/87->01/89); 2.0 i (N4A, N4I, 01/87->01/89); 2.0 i (NEJ, NE5, 01/87->01/89); 4RP 008 189-011 2.0 RS Cosworth (N5B, 11/87->01/89)			
2.0 16V Cosworth 4x4 KAT (N5C); 2.0 16V Cosworth 4x4 (N5D); 2.0 i KAT (N4B); 2.0 i (N4A, N4I); 2.0 i (N8A); 2.0 i (N9B); 2.0 i (N9C); 2.0 i (NEJ, NE5); 2.8 i XR 4x4 (PRG); 2.9 i XR 4x4 (B4A); 2.9 i XR 4x4 (B4B, B4C); 2.9 i (B4B, B4C)		4RP 008 189-001	
Sierra (GBG, GB4)	01/87->02/93		
2.0 i KAT (N4B, 01/87->01/89); 2.0 i (N4A, N4I, 01/87->01/89); 2.0 i (NE5, NEJ, 01/87->01/89)		4RP 008 189-011	
2.0 4x4 (N9C); 2.0 i KAT (N4B); 2.0 i (N4A, N4I); 2.0 i (N9C); 2.0 i (NE5, NEJ); 2.9 i (B4B, B4C)		4RP 008 189-001	
Sierra Estate (BNG)	01/87->02/93		
2.0 4x4 (N9C); 2.0 i KAT (N4B); 2.0 i (N4A, N4I); 2.0 i (N9C); 2.0 i (NE5, NEJ); 2.8 4x4 (PRG); 2.9 4x4 (B4B, B4C); 2.9 (B4B, B4C)		4RP 008 189-001	
2.0 i KAT (N4B, 01/87->01/89); 2.0 i (N4A, N4I, 01/87->01/89); 2.0 i (NE5, NEJ, 01/87->01/89)		4RP 008 189-011	



Relays, Fuel Pump

Lancia - Opel



Manufacturer Model Vehicle type	Model Year	Part no.	Note
Lancia			
Thema (834)	11/84->07/94		
2000 16V (834FA) (834 F1.000); 2000 16V Turbo (834AC) (834 C1.000); 4RP 008 189-111 2000 16V Turbo (834GC, 834FC) (834 F2.000); 2000 i.e. (834B) (834 B.000); 2000 i.e. (834BV) (834 B.146); 2000 i.e. 16V (834AI) (834 B2.246); 2000 i.e. 16V Turbo (834AL) (834 C1.246); 2000 i.e. Turbo (834C) (834 C.000); 2000 i.e. (834 B.048); 2000 i.e. Turbo (834CV) (834 C.146); 8.32 (834F) (F 105 L); 8.32 (834FS) (F 105 L.046)			
Thema SW (834)	03/87->07/94		
2000 16V (834FA) (834 F1.000); 2000 i.e. 16V (834AI) (834 B2.246); 4RP 008 189-111 2000 i.e. 16V Turbo (834AC) (834 C1.000); 2000 i.e. 16V Turbo (834AL) (834 C1.246); 2000 Turbo 16V (834GC, 834FC) (834 F2.000); 2000 Turbo (834 C.146)			
Opel			
Ascona C CC (84_, 89_)	09/81->08/88		
1.8 E (C 18 NE, S 18 NV); 1.8 i (18 E) 4RP 008 189-041 2.0 i GT (20 SEH); 2.0 i KAT (C 20 NE); 2.0 i (20 NE) 4RP 008 189-051			
Ascona C (81_, 86_, 87_, 88_)	09/81->10/88		
1.8 E (C 18 NE, S 18 NV); 1.8 i (18 E) 4RP 008 189-041 2.0 i GT (20 SEH); 2.0 i KAT (C 20 NE); 2.0 i (20 NE); 2.0 i (C 20 NEF) 4RP 008 189-051			
Astra F CC (53_, 54_, 58_, 59_)	09/91->01/98		
1.8 i 16V (C 18 XE); 1.8 i 16V (C 18 XEL, X 18 XE); 1.8 i (C 18 NZ); 2.0 GSI 16V (C 20 XE); 4RP 008 189-051 2.0 i 16V (X 20 XEV); 2.0 i (C 20 NE)			
Astra F (56_, 57_)	09/91->09/98		
1.8 i 16V (C 18 XE); 1.8 i 16V (C 18 XEL, X 18 XE); 1.8 i (C 18 NZ); 2.0 i 16V (X 20 XEV); 4RP 008 189-051 2.0 i (C 20 NE)			
Astra F Estate (51_, 52_)	09/91->01/98		
1.8 i 16V (C 18 XE); 1.8 i 16V (C 18 XEL, X 18 XE); 1.8 i (C 18 NZ); 2.0 i 16V (C 20 XE); 4RP 008 189-051 2.0 i 16V (X 20 XEV); 2.0 i (C 20 NE)			
Astra F Convertible (53_B)	03/93->03/01		
1.8 i 16V (C 18 XEL, X 18 XE); 2.0 i (C 20 NE) 4RP 008 189-051			
Calibra A (85_)	06/90->07/97		
2.0 i 16V 4x4 (X 20 XEV); 2.0 i 16V (X 20 XEV); 2.0 i 4x4 (C 20 NE); 4RP 008 189-051 2.0 i Turbo 4x4 (C 20 LET); 2.0 i (C 20 NE)			
Corsa A CC (93_, 94_, 98_, 99_)	09/82->03/93		
1.6 GSI KAT (C 16 SE); 1.6 GSI (C 16 SEI); 1.6 GSI (E 16 SE) 4RP 008 189-051			
Frontera A Sport (5_SUD2)	03/92->10/98		
2.0 i (52SUD2, 55SUD2) (C 20 NE, X 20 SE) 4RP 008 189-051			
Frontera A (5_MWL4)	03/92->10/98		
2.4 i (53MWL4) (C 24 NE) 4RP 008 189-051			
Kadett E CC (33_, 34_, 43_, 44_)	09/84->08/91		
1.6 i KAT (C 16 LZ, C 16 NZ); 1.6 i (E 16 NZ); 1.8 i (C 18 NT, C 18 NZ, S 18 NV, 09/86->08/91); 4RP 008 189-051 2.0 GSI 16V KAT (C 20 XE); 2.0 GSI 16V (20 XEJ); 2.0 GSI KAT (C 20 NE); 2.0 GSI (20 NE); 2.0 GSI (20 SEH) 1.8 E (C 18 NE); 1.8 GSI (18 E); 1.8 i (C 18 NT, C 18 NZ, S 18 NV, 06/85->08/86) 4RP 008 189-041			
Kadett E (39_, 49_)	09/84->08/91		
1.6 i KAT (C 16 LZ, C 16 NZ); 1.6 i (E 16 NZ); 1.8 i (C 18 NT, C 18 NZ); 1.8 (18 E); 4RP 008 189-051 2.0 i KAT (C 20 NE); 2.0 i (20 NE) 1.8 i (18 E); 1.8 i (C 18 NE) 4RP 008 189-041			
Kadett E Estate (35_, 36_, 45_, 46_)	09/84->08/91		
1.6 i KAT (C 16 LZ, C 16 NZ); 1.6 i (E 16 NZ); 1.8 i (C 18 NT, C 18 NZ, 09/86->08/91); 4RP 008 189-051 2.0 i KAT (C 20 NE); 2.0 i (20 NE) 1.8 E (C 18 NE); 1.8 i (C 18 NT, C 18 NZ, 06/85->08/86) 4RP 008 189-041			
Kadett E Convertible (43B_)	10/86->02/93		
1.4 i (C 14 NZ) 4RP 008 189-041 1.6 i KAT (C 16 LZ, C 16 NZ); 1.6 i (16 SV); 1.6 i (E 16 NZ); 2.0 i KAT (C 20 NE); 4RP 008 189-051 2.0 i (20 NE)			
Kadett E Combo (38_, 48_)	01/86->07/94		
1.6 i (C 16 NZ) 4RP 008 189-051			



Relays, Fuel Pump
Opel - Vauxhall



2

Manufacturer Model Vehicle type	Model Year	Part no.	Note
Opel			
Manta B (58_, 59_)	09/75->08/88		
2.0 E (18 20 E); 2.4 400 (18 24 E)		4RP 008 189-041	
Manta B CC (53_, 55_)	09/75->08/88		
2.0 E (18 20 E)		4RP 008 189-041	
Monza A (22_)	02/78->08/86		
2.5 E (18 25 E); 2.5 E (18 H 25 E); 3.0 GSE (18 30 E); 3.0 GSE (18 C 30 LE)		4RP 008 189-041	
Omega A (16_, 17_, 19_)	09/86->05/94		
1.8 N (18 18 NV); 1.8 S (18 18 SV); 1.8 (18 18 SEH); 1.8 (18 E 18 NVR); 2.0 i (18 C 20 NE); 2.0 (18 20 SE); 2.0 (18 C 20 NEF); 2.0 (18 C 20 NEJ); 2.4 i (18 C 24 NE); 2.6 i (18 C 26 NE); 3.0 (3000) KAT (18 C 30 NE); 3.0 (3000) (18 30 NE); 3.0 (3000) (18 C 30 LE); 3.0 24V (3000) (18 C 30 SE); 3.0 24V (3000) (18 C 30 SEJ); 3.0 24V Evolution500 (18 C 30 XEI); 3.6 24V Lotus (18 C 36 GET)		4RP 008 189-051	
Omega A Estate (66_, 67_)	09/86->05/94		
1.8 N (18 18 NV); 1.8 S (18 18 SV); 1.8 (18 18 SEH); 1.8 (18 E 18 NVR); 2.0 i (18 C 20 NE); 2.0 i (18 C 20 NEJ); 2.0 (18 20 SE); 2.0 (18 C 20 NEF); 2.4 i (18 C 24 NE); 2.6 i (18 C 26 NE); 3.0 KAT (18 C 30 NE); 3.0 24V (18 C 30 SEJ); 3.0 (18 30 NE); 3.0 (18 C 30 LE)		4RP 008 189-051	
Rekord E (17_-19_, 11_, 14_, 16_)	08/77->08/86		
1.8 E (18 C 18 NV); 2.0 E (18 20 E); 2.2 E (18 22 E)		4RP 008 189-041	
Rekord E Estate (61_, 66_, 67_)	08/77->08/86		
1.8 E (18 C 18 NV); 2.0 E (18 20 E); 2.2 E (18 22 E)		4RP 008 189-041	
Senator A (29_)	02/78->08/87		
2.5 E (18 25 E); 2.5 E (18 H 25 E); 3.0 E (18 30 E)		4RP 008 189-041	
Vectra A CC (88_, 89_)	04/88->11/95		
2.0 i 16V KAT (18 C 20 XE); 2.0 i 16V (18 20 XEJ); 2.0 i 16V (18 X 20 XEV); 2.0 i GT (18 20 SEH); 2.0 i KAT (18 C 20 NE); 2.0 i (18 20 NE)		4RP 008 189-051	
Vectra A (86_, 87_)	08/88->11/95		
2.0 i 16V 4x4 (18 X 20 XEV); 2.0 i 16V (18 X 20 XEV); 2.0 i 4x4 KAT (18 C 20 NE); 2.0 i 4x4 (18 20 NE); 2.0 i 4x4 (18 20 SEH); 2.0 i KAT (18 C 20 NE); 2.0 i Turbo 4x4 (18 C 20 LET); 2.0 i (18 20 NE); 2.0 i (18 20 SEH); 2000 16V 4x4 (18 20 XEJ); 2000/GT 16V 4x4 KAT (18 C 20 XE); 2000/GT 16V KAT (18 C 20 XE); 2000/GT 16V (18 20 XEJ)		4RP 008 189-051	
Peugeot			
205 I (741A/C)	02/83->10/87		
1.6 GTI (18 180A (XU5J)); 1.9 GTI (18 D6B (XU9JA (w/o KAT))); 1.9 GTI (18 DFZ (XU9J1))		4RP 008 189-111	
205 I Convertible (741B, 20D)	04/86->12/94		
1.6 CTI (18 180A (XU5J), 180Z (XU5J)); 1.9 CTI (18 DFZ (XU9J1))		4RP 008 189-111	
205 II (20A/C)	01/87->09/98		
1.6 GTIY; 1.6 GTI (18 180Z (XU5J), 180A (XU5J)); 1.9 GTI KAT (18 DFZ (XU9J1)); 1.9 GTI (18 D2A (XU92C)); 1.9 GTI (18 D6B (XU9JA (G-KAT))); 1.9 GTI (18 DKZ (XU9JAZ))		4RP 008 189-111	
505 (551A)	05/79->12/93		
2.2 GTIY; 2.2 GTI (18 851B (ZDJL))		4RP 008 189-111	
505 Break (551D)	04/82->12/93		
2.2 GTI (18 851B (ZDJL))		4RP 008 189-111	
Seat			
Ibiza I (021A)	06/84->12/93		
1.5 i KAT (18 021 C.2000); 1.5 i (18 021 B.2000); 1.5 i (18 021 D.2000)		4RP 008 189-111	
Malaga (023A)	11/84->12/93		
1.5 i KAT (18 021 D.2000, 021 C.2000, 021 A 2000); 1.5 i (18 021 B.2000)		4RP 008 189-111	
Vauxhall			
Astra CC	09/79->08/86		
1.8 GTE (18 18 E)		4RP 008 189-041	
Astra Mk II CC	09/84->08/91		
1.8 GTE (18 18 E, 18 SE, 09/84->01/86)		4RP 008 189-041	
1.8 GTE (18 18 E, 18 SE, 01/86->08/91); 2.0 GTE 16V (18 20 XE); 2.0 GTE (18 20 SEH)		4RP 008 189-051	



Relays, Fuel Pump

Vauxhall - Volkswagen



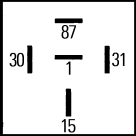
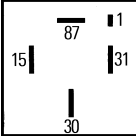
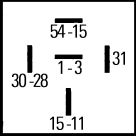
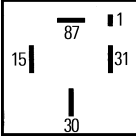
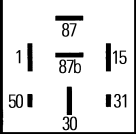
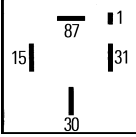
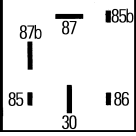
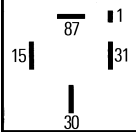
Manufacturer Model Vehicle type	Model Year	Part no.	Note
Vauxhall			
Astra Mk II Belmont	09/85->12/91		
1.8 i (18 E, 18 SE); 1.8 (18 SE)		4RP 008 189-051	
Astra Mk III CC	09/91->02/98		
2.0 i 16V (C 20 XE); 2.0 i (C 20 NE)		4RP 008 189-051	
Astra Mk III	09/91->09/98		
2.0 i 16V (X 20 XEV); 2.0 i (C 20 NE)		4RP 008 189-051	
Astra Mk III Estate	03/91->02/98		
2.0 i (C 20 NE)		4RP 008 189-051	
Astra Mk III Convertible	03/93->03/01		
2.0 i (C 20 NE)		4RP 008 189-051	
Calibra	06/90->07/97		
all vehicle types - 2.5 i V6		4RP 008 189-051	
Carlton Mk III	09/86->03/94		
1.8 i (18 SEH); 2.0 i (20 SE); 2.4 i (C 24 NE); 2.6 i (C 26 NE)		4RP 008 189-051	
3.0 3000 (30 NE); 3000 KAT (C 30 NE); 3000 (C 30 LE)		4RP 008 189-041	
Carlton Mk III Estate	09/86->03/94		
1.8 i (18 SEH); 2.0 i (20 SE); 2.0 i (C 20 NEJ); 2.4 i (C 24 NE); 2.6 i (C 26 NE)		4RP 008 189-051	
3.0 (C 30 NE)		4RP 008 189-041	
Cavalier Mk II CC	09/81->08/88		
1.8 i (18 E, 09/81->01/86); 1.8 i (18 SE, 09/81->01/86)		4RP 008 189-041	
1.8 i (18 E, 01/86->08/88); 1.8 i (18 SE, 01/86->08/88); 2.0 i KAT (C 20 NE)		4RP 008 189-051	
Cavalier Mk II	09/81->08/88		
1.8 i KAT (C 18 NE, 01/85->01/86); 1.8 i (18 E, 09/81->01/86); 1.8 i (18 SE, 09/81->01/86)		4RP 008 189-041	
1.8 i KAT (C 18 NE, 01/86->08/86); 1.8 i (18 E, 01/86->08/88); 1.8 i (18 SE, 01/86->08/88); 2.0 i KAT (C 20 NE); 2.0 i (20 NE); 2.0 SRi 130 (20 SEH)		4RP 008 189-051	
Cavalier Mk II Estate	09/81->08/88		
1.8 i (18 E, 18 SE, 09/81->01/86)		4RP 008 189-041	
1.8 i (18 E, 18 SE, 01/86->08/86)		4RP 008 189-051	
Cavalier Mk III CC	09/88->11/95		
2.0 i 16V (C 20 XE); 2.0 i (20 NE); 2.0 SRi (20 SEH)		4RP 008 189-051	
Cavalier Mk III (87)	09/88->11/95		
2.0 i 16V 4x4 (C 20 XE); 2.0 i 16V (C 20 XE); 2.0 i 4x4 (20 SEH); 2.0 i (20 NE); 2.0 SRi 16V (X 20 XEV); 2.0 SRi (20 SEH)		4RP 008 189-051	
Frontera Sport	03/92->10/98		
2.0 i (C 20 NE, X 20 SE)		4RP 008 189-051	
Frontera	03/92->10/98		
2.4 i (C 24 NE)		4RP 008 189-051	
Nova CC	05/83->03/93		
1.6 GSI KAT (C 16 SE); 1.6 GSI (C 16 SEI); 1.6 GSI (E 16 SE)		4RP 008 189-051	
Senator Mk II	09/87->09/93		
2.6 i (C 26 NE); 3.0 i KAT (C 30 NE); 3.0 (30 NE); 3.0 (C 30 LE)		4RP 008 189-041	
3.0 24V (C 30 SE)		4RP 008 189-051	
Volkswagen			
Caddy I (14)	08/82->07/92		
1.8 (JH)		4RP 008 189-091	
Corrado (53I)	08/87->12/95		
1.8 G60 (PG)		4RP 008 189-101	
Golf I Convertible (155)	01/79->08/93		
1.8 (2H); 1.8 (DX, EV, PB); 1.8 (EX); 1.8 (JH)		4RP 008 189-091	
Golf II (19E, 1G1)	08/83->12/92		
1.8 Syncro (1P); 1.8 Syncro (GX, GU); 1.8 i KAT (RP, GX); 1.8 i Syncro KAT (RP); 1.8 (GX, GU, HV); 1.8 (RH)		4RP 008 189-071	
1.8 GTI KAT (PF); 1.8 GTI (EV, PB, GZ, DX); 1.8 GTI (RD)		4RP 008 189-091	



Relays, Fuel Pump
Volkswagen



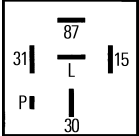
Manufacturer Model Vehicle type	Model Year	Part no.	Note
Volkswagen			
Golf II (19E, 1G1)	08/83->12/92		
1.8 Syncro (1GX, 02/86->10/87); 1.8 GTI G60 Syncro (11H, PG); 1.8 GTI G60 (1PG); 1.8 (1GX) 4RP 008 189-101			
Jetta II (19E, 1G2)	01/84->12/92		
1.8 KAT (1PF); 1.8 KAT (1RP, GX); 1.8 Syncro (11P); 1.8 Syncro (1RP); 1.8 (1EV, PB, GZ); 4RP 008 189-071			
1.8 (1RD); 1.8 (1RH)			
1.8 (1EV, PB, GZ); 1.8 (1RD); 1.8 (1RH) 4RP 008 189-091			
1.8 (1GX, 08/84->10/87) 4RP 008 189-101			
Passat (32B)	08/80->12/88		
2.0 (1JS, HP, 08/85->03/88); 2.2 (1KV); 2.2 (1KX) 4RP 008 189-081			
Passat Saloon (32B)	08/84->03/88		
1.8 (1DS, JN) 4RP 008 189-101			
2.2 (1KX) 4RP 008 189-081			
Passat Estate (32B)	08/80->06/89		
2.0 Syncro (1JS, 08/85->03/88); 2.0 (1JS, HP, 08/85->03/88); 2.2 Syncro (1JT); 2.2 (1KV); 4RP 008 189-081			
2.2 (1KX)			
Passat (3A2, 35I)	02/88->10/96		
1.8 16V (1); 1.8 G60 Syncro (1PG); 1.8 (1ABS, RP, ADZ, 02/88->07/90); 1.8 (1PB); 4RP 008 189-101			
1.8 (1PF, 04/88->07/90); 2.0 Syncro (12E, AGG, ADY); 2.0 (12E, ADY, AGG)			
Passat Estate (3A5, 35I)	02/88->06/97		
1.8 16V (1); 1.8 G60 Syncro (1PG); 1.8 (1ABS, RP, ADZ, 02/88->07/90); 1.8 (1PB); 1.8 (1PF); 4RP 008 189-101			
2.0 Syncro (12E, ADY, AGG)			

 12 V 4RP 008 189-001 Ford		 12 V 4RP 008 189-061 Audi	
 12 V 4RP 008 189-011 Ford		 12 V 4RP 008 189-071 Audi, Volkswagen	
 12 V 4RP 008 189-041 Opel, Vauxhall		 12 V 4RP 008 189-081 Audi, Volkswagen	
 12 V 4RP 008 189-051 Opel, Vauxhall		 12 V 4RP 008 189-091 Audi, Volkswagen	

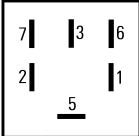


Relays, Fuel Pump

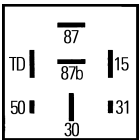
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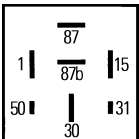
12 V
4RP 008 189-101 Volkswagen



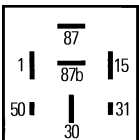
12 V
4RP 009 118-001 Ford



12 V
4RP 008 189-111 Alfa Romeo, Citroën, Ferrari, Fiat, Lancia, Peugeot, Seat



12 V
4RP 008 189-121 Citroën



12 V
4RP 008 189-141 BMW



Battery master switches	3.51-3.52
Blower switch	3.34
Foot-operated switches	3.53
Ignition switches	3.47-3.48
Loading platform switches	3.53
Push-button switches	3.38-3.42
Push-pull redary switches	3.45
Push-pull switches	3.42-3.45
Rocker switches	3.32-3.33
Rotary switches	3.45-3.48
Steering column mounted switches	3.49-3.50
Stop-light switches	3.42, 3.44
Switches/door contact	3.36-3.37
Switches in model range 004 100-..., 007 832-..., 008 948-..., 004 570-... and 008 910-...	3.02-3.31
Toggle switches	3.34-3.35

The vehicle application overviews can be found in the Hella Online Catalogue and TecDoc

Module switch generation 004 100

For particularly energy-efficient & maintenance-free interior applications in commercial vehicles, passenger cars, agricultural and construction machines, as well as special vehicles.

Energy efficiency:

The increase in control electronics components makes particular demands on a vehicle's energy system. Since the power supply causes high costs, the trend is toward very low control currents that must be switched in a reliable manner. The Hella solution: frictional snap-in system as well as selected contact combinations. The AgNi standard version makes reliable switching functions possible even in the mA range. Likewise, particularly efficient power LED light sources help to reduce the power requirements as compared to previous switch ranges by up to 70% per switch.

Maintenance-free:

The user expects reliable and maintenance-free function over the entire vehicle life. In particular, the service life (cycles) of the contact system, as well as the service life of the light source are the influencing parameters. Hella offers its customers the particularly wear-resistant "microswitch system". Thanks to the frictional snap-in system, wear and contamination of the contact surfaces are minimized with every switching operation. The average service life of an LED is up to 100.000 hours. An additional feature is the use of 4 light sources. In this way, all switching conditions can be confirmed in the best possible way (2 location and 2 function lights).



Accessories see page 3.05, 3.22 - 3.30

Mounting frame:

A modular system with a new design makes all installation configurations possible.

Indicator lamps:

For safety-relevant or special applications, a reliable indicator lamp can be delivered that provides information about the switching condition in a non-local manner.

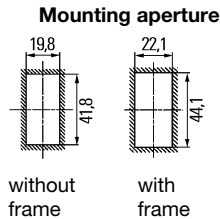
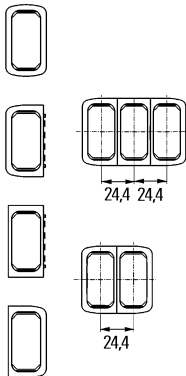
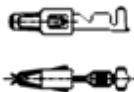
Cover plug



Socket housing



Junior Power Timer



Technical details:

Rocker material:	PC transparent, painted
Base material:	PA white, housing PA black
Connection contacts:	3.0 mm Junior Power Timer
Switch-contact coating:	AgNi
Flat receptacle:	2.8 mm Junior Power Timer, with AgNi coating
Light source:	Max. 4 LEDs: 2 x location lighting, green 2 x function lighting, red Laser-applied in accordance with catalog or customer-specifically in dxf format
Symbol type:	
Service life:	5 mA/450.000 cycles 5A/24V inductive/270.000 cycles 4A/24V bulb (75W)/90.000 cycles 10A/24V ohmic/80.000 cycles
Tightness:	IP 30
Operating temperature:	-40 °C bis + 85 °C
Storage temperature:	-40 °C bis +100 °C
Dash board thickness:	If the switch is installed directly: 2 mm
Accessories:	Single and series mounting frame, connector skirt available

You can find further information, including ordering notes, at
www.hella.de/modulschalter
www.hella.com/rockerswitch

Function 00 Change-over, locking, 1-pole, 1-stage. Symbol illumination: 1 x function indication	Function 08 Change-over, locking, 1-pole, 1-stage. Symbol illumination: 1 x function indication (1 x external)
Function 01 Change-over, locking, 1-pole, 1-stage. Symbol illumination: 1 x function indication (1 x internal)	Function 09 Change-over, locking, locking function, 1-pole, 1-stage. Symbol illumination: 1 x function indication (1 x external)
Function 02 Change-over, locking, locking function, 1-pole, 1-stage. Symbol illumination: 1 x function indication (1 x internal)	Function 10 Change-over, key, 1-pole, 1-stage. Symbol illumination: 1 x function indication (1 x external)
Function 03 Change-over, locking, 2-pole, 1-stage. Symbol illumination: 1 x function indication	Function 11 Change-over, locking, 2-pole, 1-stage. Symbol illumination: 1 x function indication (1 x external)
Function 04 Change-over, locking, 2-pole, 1-stage. Symbol illumination: 1 x function indication (1 x internal)	Function 12 Change-over, locking, locking function, 2-pole, 1-stage. Symbol illumination: 1 x function indication (1 x external)
Function 05 Change-over, locking, locking function, 2-pole, 1-stage. Symbol illumination: 1 x function indication (1 x internal)	Function 13 Change-over, locking, 2-pole, 1-stage. Symbol illumination: 2 x function indication (2 x external)
Function 06 Change-over, locking, 1-pole, 1-stage. Symbol illumination: 2 x function indication	Function 14 Change-over, locking, 2 x 1-pole, 2-stage. Symbol illumination: 2 x function indication
Function 07 Change-over, key, 1-pole, 1-stage. Symbol illumination: 1 x function indication	Function 15 Change-over, key, 2 x 1-pole, 2-stage. Symbol illumination: 2 x function indication



Function 16 Change-over, locking, 2 x 1-pole, 2-stage. Symbol illumination: 2 x function indication (2 x internal)	Function 22 Change-over, key, 2 x 1-pole, 2-stage. Symbol illumination: 2 x function indication (2 x external)
Function 17 Change-over, key, 2 x 1-pole, 2-stage. Symbol illumination: 2 x function indication (1 x external)	Function 23 Change-over, locking, 2 x 1-pole, 2-stage. Symbol illumination: 2 x function indication (2 x external)
Function 18 Change-over, locking, 2 x 1-pole, 2-stage. Symbol illumination: 1 x function indication (2 x internal) 1 x preductive diode	Function 24 Normally open, locking, 2 x 1-pole, 2-stage. Symbol illumination: 1 x function indication
Function 19 Change-over, locking, 2 x 1-pole, 2-stage. Symbol illumination: 1 x function indication	Function 25 Hazard warning switch, Normally open, locking, 1-pole, 1-stage. Symbol illumination 1 x function indication (1 x internal)
Function 20 Change-over, key, 2 x 1-pole, 2-stage. Symbol illumination: 2 x function indication (1 x external)	Function 78 Indicator light for illumination of symbol field 1
Function 21 Change-over, locking, 2 x 1-pole, 2-stage. Symbol illumination: 2 x function indication (2 x external)	Function 79 Indicator light for illumination of symbol fields 1 and 2

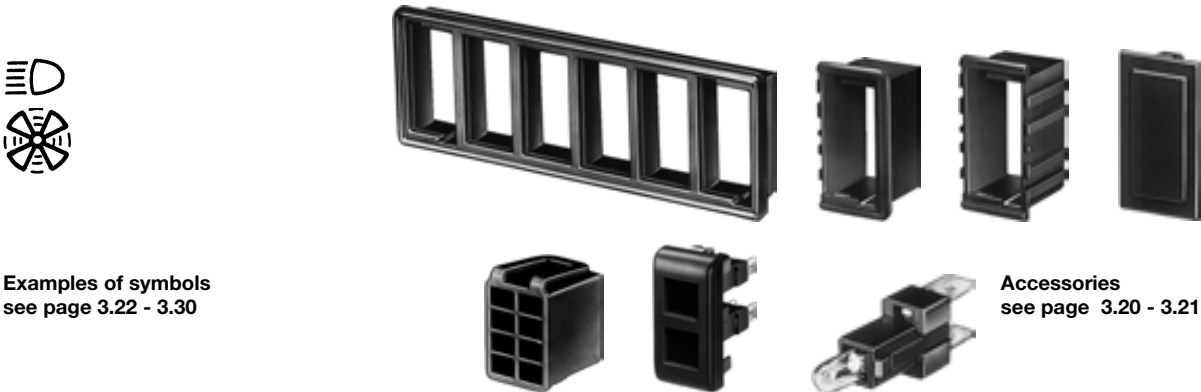
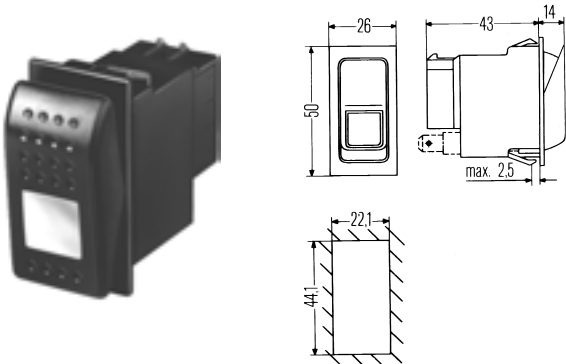


Universal flush-fit Switches

	Part no.	Pk.	Accessories for switches in model range 004 100
	Modular mounting-panel system		
	Black. 2 end pieces and 1 middle piece are needed to make a mounting panel. By adding middle pieces, this panel can be extended as required.		
	9AR 168 396-002 9AR 168 396-007	10 200	Single frame
	9AR 169 208-002 9AR 169 208-007	10 200	Middle piece
	9AR 169 209-002 9AR 169 209-007	10 200	End piece, left
	9AR 169 210-002 9AR 169 210-007	10 200	End piece, right
	Cover plug		
	Black. For closing empty switch apertures in mounting panel.		
	9HB 172 229-002 9HB 172 229-007	10 52	Cover plug
	8JD 010 076-002 8JD 010 076-007	10 440	Socket housing White. Socket housing, 10-pin
	8KW 863 934-003	50	Junior Power Timer Cable section: 0.5 - 1.0 sq. mm. Size of blade terminal: 2.8 x 0.8 sq. mm. Blade receptacle CuSn/Sn
	8KW 863 934-023 8KW 863 934-024	50 1000	Blade receptacle CuSn/Sn
	Cable section: 1.0 - 2.5 mm ² . Size of blade terminal: 2.8 x 0.8 sq. mm.		

The Hella switch series 007 832 / 008 948 have been designed for interior use in commercial vehicles and cars. The model series make use of common standards in vehicle construction. The advantages of the Hella model series are their modular design and high switching performance.

- Available are:
- > Complete automotive functional range (standards and specified functions)
 - > One-stage and two-stage switches
 - > One circuit and two circuits
 - > Push button or locking keys
 - > Effective locking system
 - > 12V/24V versions
 - > LED-technology and bulbs
 - > A range of symbol panels can be clipped in place
 - > Both original equipment and retrofitting are possible thanks to standardised mounting opening 41.1 x 2.2 mm and mounting frame



Examples of symbols
see page 3.22 - 3.30

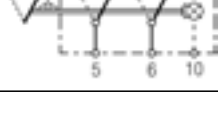
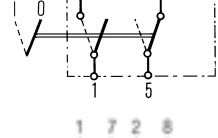
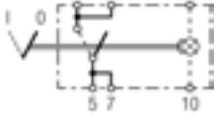
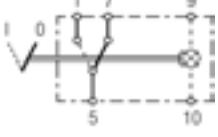
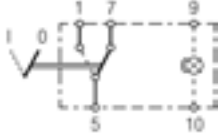
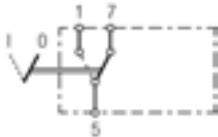
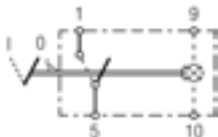
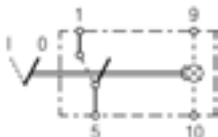
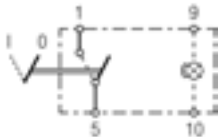
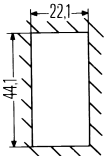
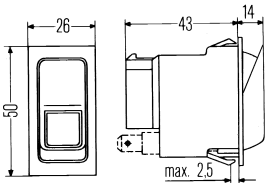
Accessories
see page 3.20 - 3.21

Technical details:	
Housing, flush-fit accessories:	Plastic, black nobbing
Functional range:	-35 °C to +65 °C
Storage ability:	-40 °C to +90 °C
Predection system:	Suitable for interiors acc. to IP6 (DIN 40050)
Permissible drop in voltage:	before endurance run max. 10mV/A after endurance run max. 20mV/A
Bulb:	W5/1.2 12V/24V, DIN 72601
Dashboard thickness:	1 - 2.5 mm
Contacting	Blade terminal contacts 6.3 mm, DIN 46244, fed out of the switch housing

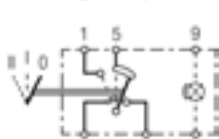
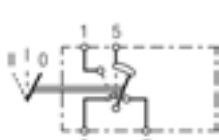
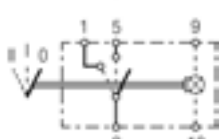
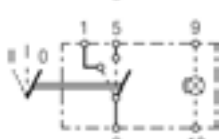
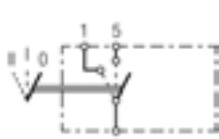
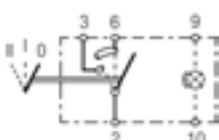
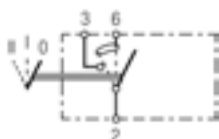
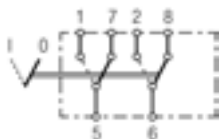
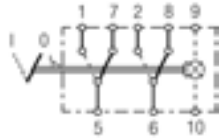
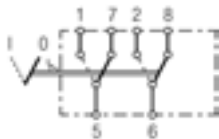
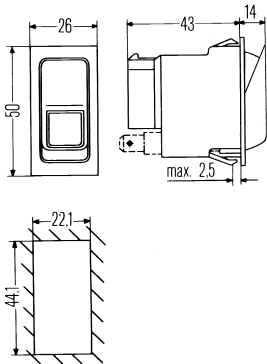
Load values (without load):		Test voltage 13,5V		Test voltage 27,5V	
		Amp.	Service life	Amp.	Service life
		6	250.000 switch positions	3	150.000 switch positions
		10	150.000 switch positions	5	100.000 switch positions
		16	20.000 switch positions	8	20.000 switch positions
Switching forces		2-stage		2-stage	
1-stage	0-I	0-I-II	0-I-II	I-O-II	I-O-II
	0-I; I-O = 6N±3N		0-I; II-I=6N±3N		I-O; II-O=5N±2N
Key-contact: 8N±3N		I-O; I-II= 11N±4N		0-I; 0-II=11N±4N	

For types 6HH 007 832-28/-29/-30/-32/-59/-64/-66/-71/-72/-77 (Hazard flasher switch) the following is valid:

Load values at:	
12V/24V:	10A = 10.000 switch positions
Switching forces:	0-I; I-O=8N±3N
Load:	12V 16A; 24V 8A

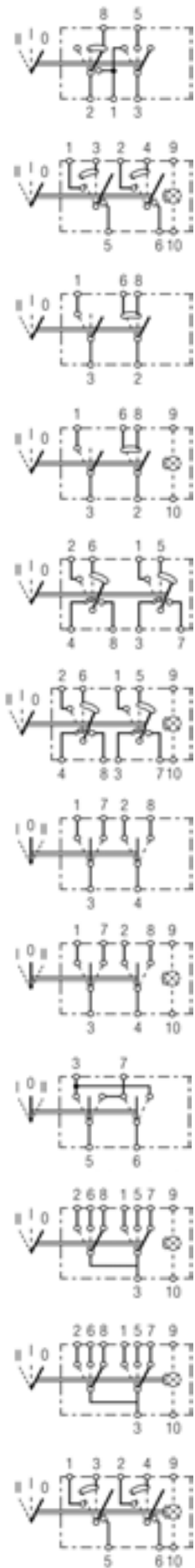
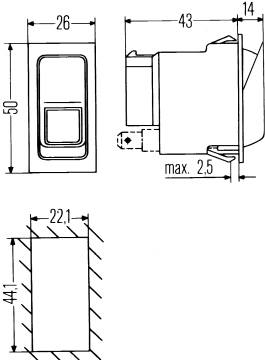


Part no.	Pk.	1-stage, with one circuit
6EH 007 832-001 6EH 007 832-007	1 50	Without location light
6EH 007 832-011	1	Suitable for use with location light.
6EH 007 832-021 6EH 007 832-027	1 50	Suitable for use with location light and pilot light.
6EH 007 832-041	1	Suitable for use with location light and pilot light, with mechanism for blocking operation.
6FH 007 832-051	10	Without location light
6FH 007 832-061 6FH 007 832-067	1 50	Suitable for use with location light
6FH 007 832-081 6FH 007 832-087	1 50	Suitable for use with location light and pilot light
6EH 007 832-611	1	Suitable for use with location light and pilot light
		1-stage, with two circuits
6FH 007 832-501	1	Without location light
6EH 007 832-601	1	Without location light, with two mechanisms for blocking operation
6EH 007 832-671	1	Suitable for use with location light, with two mechanisms for blocking operation
6EH 007 832-751	1	Suitable for use with location light and pilot light, with two mechanisms for blocking operation



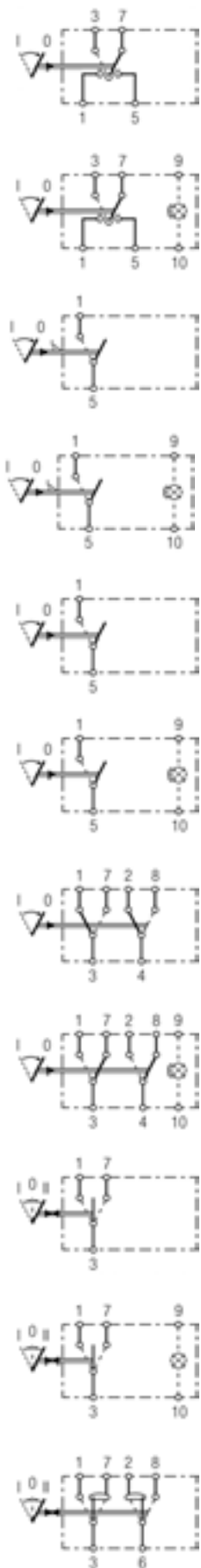
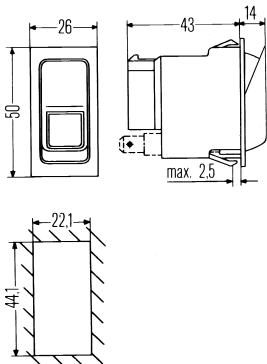
Part no.	Pk.	1-stage, with two circuits
6RH 008 948-012	1	Without location light, with mechanism for blocking operation
6RH 007 832-491	1	Suitable for use with location light and pilot light, with mechanism for blocking operation
6FH 007 832-121 6FH 007 832-127	1 50	Without location light
6FH 007 832-101 6FH 007 832-107	1 50	Suitable for use with location light and pilot light
		2-stage, with one circuit
6RH 007 832-431	1	Without location light, combination switch
6RH 007 832-441	1	Suitable for use with location light, combination switch
6FH 007 832-131	1	Without location light
6RH 007 832-331	1	Without location light
6RH 007 832-341	1	Suitable for use with location light
6RH 007 832-351	1	Suitable for use with location light and pilot light
6FH 007 832-511	1	Without location light, combination switch
6RH 007 832-391 6RH 007 832-397	1 50	Suitable for use with location light, combination switch

Accessories see page 3.20 - 3.30



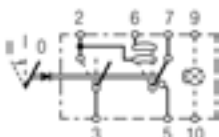
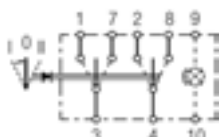
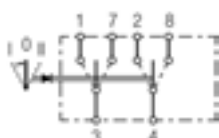
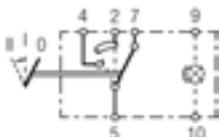
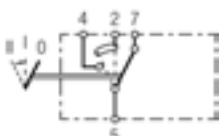
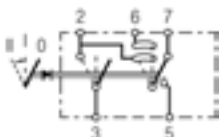
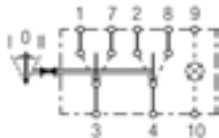
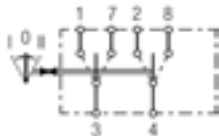
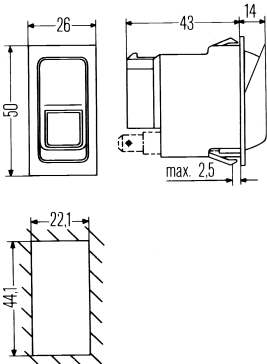
Part no.	Pk.	2-stage, with two circuits
6RH 007 832-761	1	Without location light, combination switch
6RH 007 832-681	1	Suitable for use with location light, combination switch
6RH 007 832-451	1	Without location light, combination switch
6RH 007 832-461 6RH 007 832-467	1 50	Suitable for use with location light, combination switch
6RH 007 832-381	1	Without location light, combination switch
6RH 007 832-741	1	Suitable for use with location light, combination switch
6RH 007 832-797	50	Suitable for use with location light and pilot light, combination switch
6FH 007 832-161	1	Without location light
6FH 007 832-151	1	Suitable for use with location light
6RH 007 832-481	1	Without location light
6RH 007 832-701	1	Suitable for use with location light
6RH 007 832-731	1	Suitable for use with location light and pilot light
6RH 007 832-377	1	Suitable for use with location light and pilot light, combination switch

Accessories see page 3.20 - 3.30



Part no.	Pk.	1-stage, with one circuit
6GM 007 832-211	1	Without location light
6GM 007 832-221	1	Suitable for use with location light
6GM 007 832-581	1	Without location light, with mechanism for blocking operation
6GM 007 832-271	1	Suitable for use with location light, with mechanism for blocking operation
6GM 007 832-181	1	Without location light
6GM 007 832-191 6GM 007 832-197	1 50	Suitable for use with location light
		1-stage, with two circuits
6GM 007 832-521	1	Without location light
6FH 007 832-621	1	Suitable for use with location light
		2-stage, with one circuit
6GM 007 832-231	1	Without location light
6GM 007 832-241	1	Suitable for use with location light
		2-stage, with two circuits
6GM 007 832-631	1	Without location light

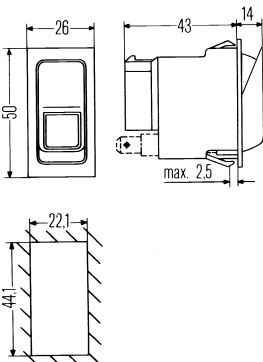
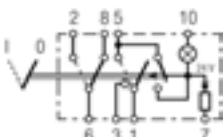
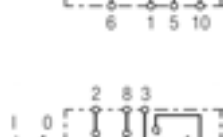
Accessories see page 3.20 - 3.30



Part no.	Pk.	
6GM 007 832-261	1	2-stage, with 2 circuits Without location light
6GM 007 832-251	1	Suitable for use with location light
6RH 008 948-002	1	2-stage, with one circuit Without location light, 2nd stage key, combination switch
6RH 007 832-551	1	Without location light, 2nd stage key, combination switch
6RH 007 832-411	1	Suitable for use with location light, 2nd stage key, combination switch
6RH 007 832-651	1	2-stage, with two circuits Suitable for use with location light and pilot light, with mechanism for blocking operation, 2nd stage key, combination switch
6FH 007 832-171	1	Without location light
6FH 008 948-022	1	Suitable for use with location light
6RH 007 832-421	1	Suitable for use with location light, combination switch

Accessories see page 3.20 - 3.30



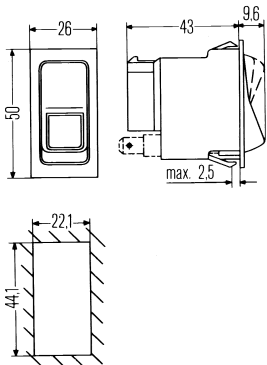
		Part no.	Pk.	Hazard flasher switches
 		6HH 007 832-281	1	With 12V bulb and location light. Max. load: 10A at 12V
		6HH 007 832-297	1	With 24V bulb, location light and pilot light
		6HH 007 832-301 6HH 007 832-307	1 50	With 24V bulb, location light and pilot light
		6HH 007 832-321	1	With 12V bulb, with location light and pilot light Max. load: 10A at 12V
		6HH 007 832-591	1	With 24V bulb and pilot light
		6HH 007 832-641	1	With 24V bulb, with location light and red push-button
		6HH 007 832-661	1	With 12V bulb, with red push-button
		6HH 007 832-711	1	With LED 12V - 32V, with location light
		6HH 007 832-721	1	With LED 12V - 32V, with location light and pilot light, with mechanism for blocking operation on.
		6HH 007 832-771	1	With 12V bulb, with location light and pilot light

Accessories see page 3.20 - 3.30

The Hella switch series 004 570 / 008 910 have been designed for interior use in commercial vehicles and cars. The model series make use of common standards in vehicle construction. The advantages of the Hella model series are their modular design and high switching performance.

Available are:

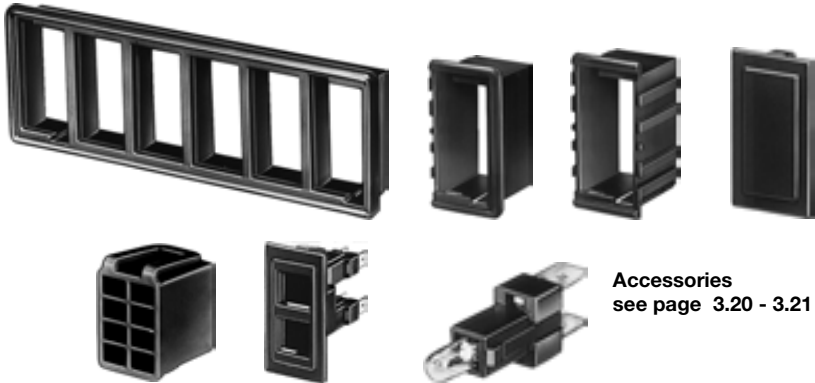
- > Complete automotive functional range (standards and specified functions)
- > One-stage and two-stage switches
- > One circuit and two circuits
- > Push button or locking keys
- > Effective locking system
- > 12V/24V versions
- > LED-technology and bulbs
- > A range of symbol panels can be clipped in place
- > Both original equipment and retrofitting are possible thanks to standardised mounting opening 41.1 x 2.2 mm and mounting frame



3



Examples of symbols
see page 3.22 - 3.30



Accessories
see page 3.20 - 3.21

Technical details:

Housing, flush-fit accessories:	Plastic, black nobbing
Functional range:	-35 °C to +65 °C
Storage ability:	-40 °C to +90 °C
Predection system:	Suitable for interiors acc. to IP6 (DIN 40050)
Permissible drop in voltage:	before endurance run max. 10mV/A after endurance run max. 20mV/A
Bulb:	W5/1.2 12V/24V, DIN 72601
Dashboard thickness:	1 - 2.5 mm
Contacting:	Blade terminal contacts 6.3 mm, DIN 46244, fed out of the switch housing

Load values (without load):

Test voltage 13.5V

Test voltage 27.5V

Amp.	Service life	Amp.	Service life
6	250.000 switch positions	3	150.000 switch positions
10	150.000 switch positions	5	100.000 switch positions
16	20.000 switch positions	8	20.000 switch positions

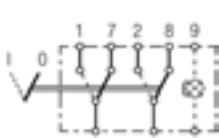
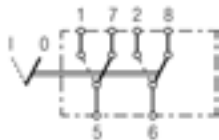
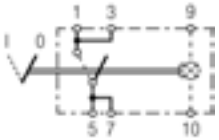
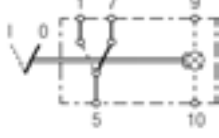
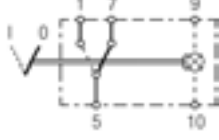
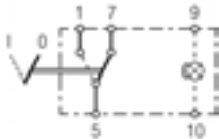
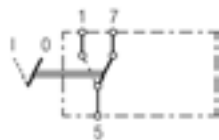
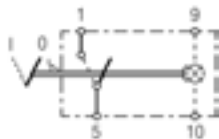
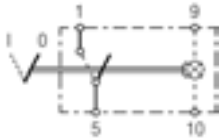
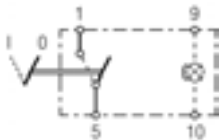
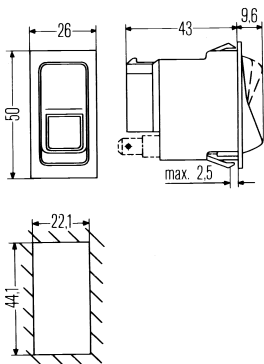
Switching forces

1-stage	0-I	2-stage	0-I-II	2-stage	I-O-II
	0-I; I-O = 6N±3N		0-I; II-I=6N±3N		I-O; II-O=5N±2N
			I-O; I-II= 11N±4N		0-I; 0-II=11N±4N
Key contact:	8N±3N				

For types 6HH 004 570-43/-45/-47/-48/-49/-58/-59 (Hazard flasher switch) the following is valid:

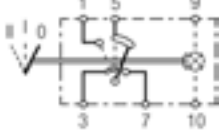
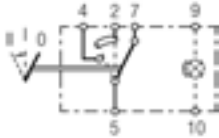
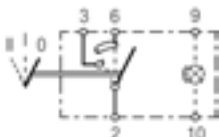
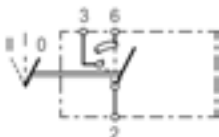
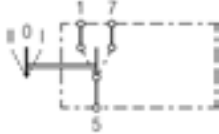
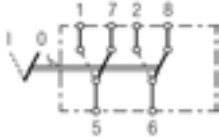
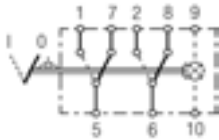
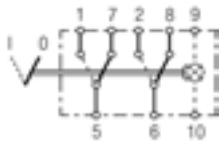
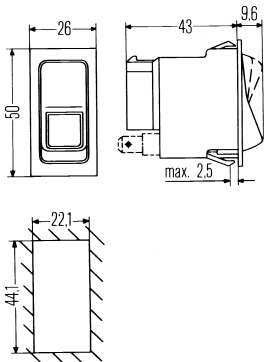
Load values at:

12V/24V:	10A = 10.000 switch positions
Switching forces:	0-I; I-O=8N±3N
Max. load:	12V 16A; 24V 8A

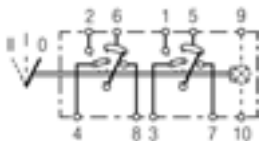
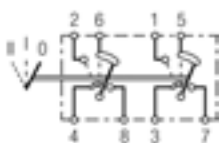
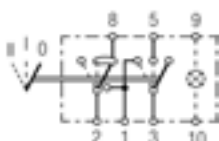
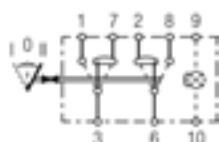
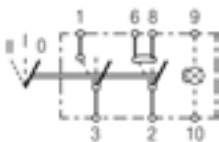
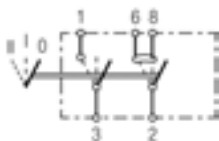
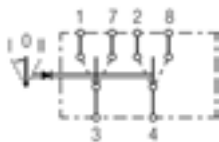
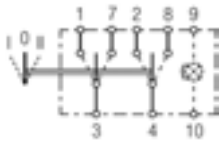
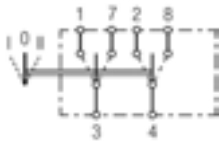
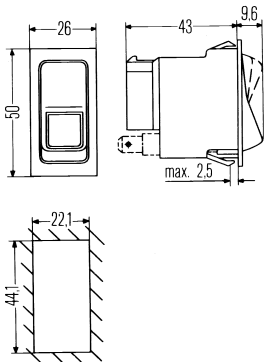


Part no.	Pk.	1-stage, with one circuit
6EH 004 570-001	1	Without location light, without pilot light
6EH 004 570-011	1	Suitable for use with location light
6EH 004 570-021 6EH 004 570-027	1 50	Suitable for use with location light and pilot light
6EH 004 570-621	1	Suitable for use with location light and pilot light, with mechanism for blocking operation on
6FH 004 570-101	1	Without location light, without pilot light
6FH 004 570-111	1	Suitable for use with location light
6FH 004 570-121 6FH 004 570-127	1 50	Suitable for use with location light and pilot light
6FH 004 570-777	50	Suitable for use with location light and pilot light, with gold-plated contacts
6EH 004 570-681	1	1-stage, with two circuits Suitable for use with location light and pilot light
6FH 004 570-501	1	Without location light, without pilot light
6FH 004 570-341	1	Suitable for use with location light

Accessories see page 3.20 - 3.30

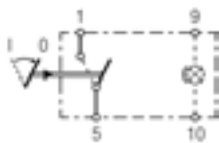
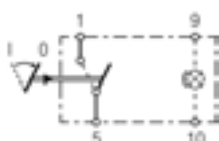
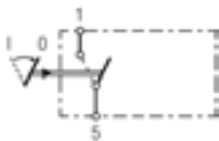
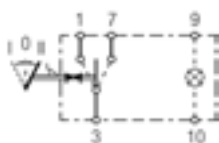
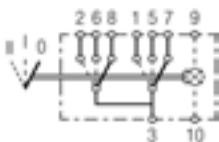
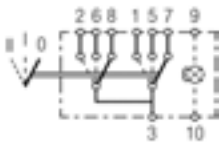
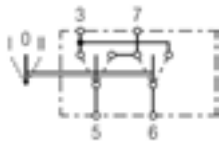
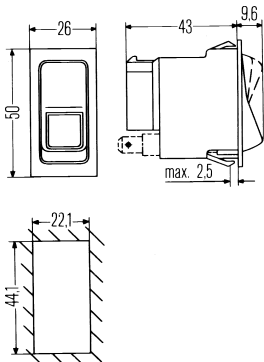


Part no.	Pk.	1-stage, with two circuits
6FH 004 570-131 6FH 004 570-137	1 50	Suitable for use with location light and pilot light
6EH 004 570-641 6EH 004 570-647	1 50	Suitable for use with location light and pilot light, with two mechanisms for blocking operation
6RH 008 910-011	10	Without location light, with mechanism for blocking operation, with gold-plated contacts
		2-stage, with one circuit
6FH 004 570-511 6FH 004 570-517	10 50	Without location light
6RH 004 570-151	1	Without location light
6RH 004 570-161	1	Suitable for use with location light
6RH 004 570-171 6RH 004 570-177	1 50	Suitable for use with location light and pilot light
6RH 004 570-351	1	Without location light, combination switch
6RH 004 570-361	1	Suitable for use with location light, combination switch
6RH 004 570-311	1	Suitable for use with location light, 2nd stage key, combination switch
6RH 004 570-261 6RH 004 570-267	1 50	Suitable for use with location light, combination switch



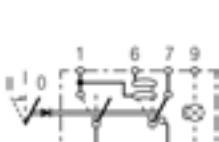
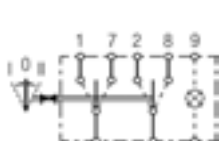
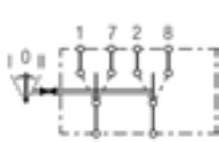
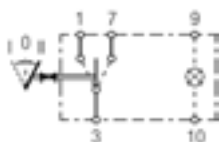
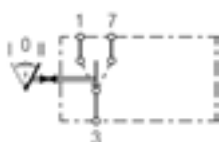
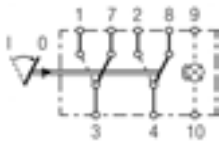
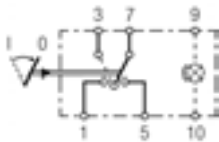
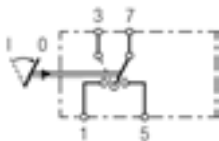
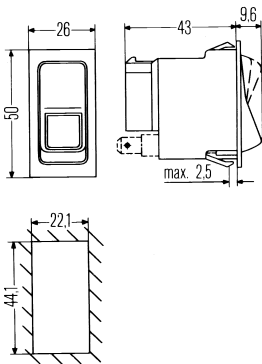
Part no.	Pk.	2-stage, with two circuits
6FH 004 570-531	1	Without location light
6FH 004 570-521	1	Suitable for use with location light
6FH 004 570-541	1	Without location light, 1st stage key
6RH 004 570-401	1	Without location light, combination switch
6RH 004 570-411 6RH 004 570-417	1 50	Suitable for use with location light, combination switch
6RH 008 910-022	10	Suitable for use with location light and pilot light, combination switch
6RH 008 910-037	50	Suitable for use with location light, combination switch
6RH 004 570-191	1	Without location light, combination switch
6RH 004 570-382	10	Suitable for use with location light and pilot light, combination switch

Accessories see page 3.20 - 3.30



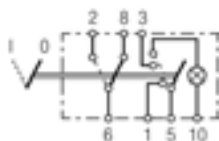
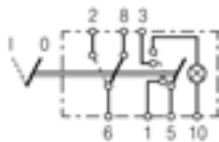
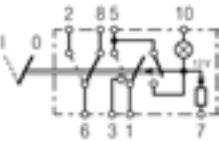
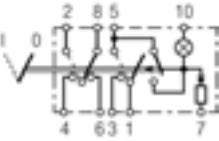
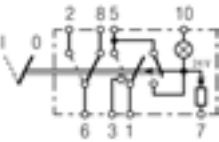
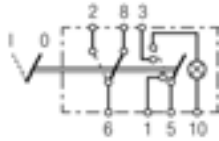
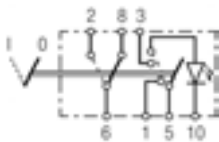
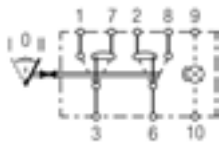
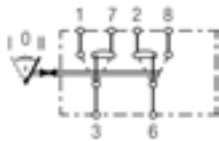
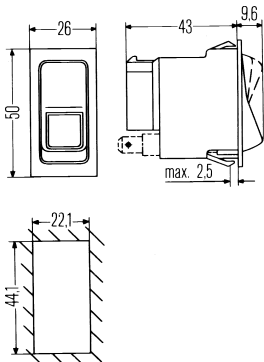
Part no.	Pk.	Locking, 2-stage, with two circuits
6RH 004 570-751	1	Without location light
6RH 004 570-371	1	Suitable for use with location light
6RH 004 570-187	1	Suitable for use with location light and pilot light, combination switch
6RH 004 570-787	1	Suitable for use with location light and pilot light, gold-plated contacts, combination switch
6RH 004 570-321	1	Suitable for use with location light and pilot light
6RH 004 570-671	1	Suitable for use with location light and pilot light, combination switch
6FH 008 910-047	50	Suitable for use with combination light and mechanism for blocking operation
		Key, 1-stage, with one circuit
6GM 004 570-051	1	Without location light
6GM 004 570-061 6GM 004 570-067	1 50	Suitable for use with location light
6GM 004 570-767	1	Suitable for use with location light, gold-plated contacts
6GM 004 570-691	1	Without location light, with mechanism for blocking operation

Accessories see page 3.20 - 3.30



Part no.	Pk.	
6GM 004 570-071	1	1-stage, with one circuit Without location light
6GM 004 570-081	1	Suitable for use with location light
6FH 004 570-571 6FH 004 570-577	1 50	1-stage, with two circuits Suitable for use with location light
6GM 004 570-201	1	2-stage, with one circuit Without location light
6GM 004 570-211	1	Suitable for use with location light
6GM 004 570-797	50	Suitable for use with location light, gold-plated contacts
6GM 004 570-231	1	2-stage, with two circuits Without location light
6GM 004 570-221 6GM 004 570-227	1 50	Suitable for use with location light
6RH 004 570-331	1	Suitable for use with location light, 2nd stage key, combination switch
6FH 004 570-241	1	Suitable for use with location light, 1st stage key, 2nd stage locking

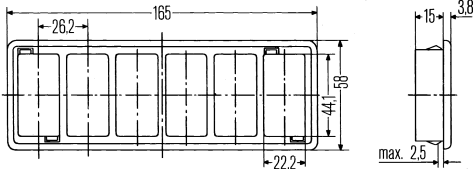
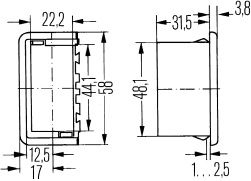
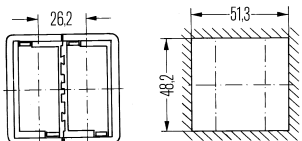
Accessories see page 3.20 - 3.30



Part no.	Pk.	2-stage, with two circuits
6GM 004 570-271	1	Without location light, key, combination switch
6GM 004 570-297	50	Suitable for use with location light, key, combination switch
Hazard flasher switches		
6HH 004 570-431	1	With LEDs 12V - 32V, suitable for use with location light
6HH 004 570-451	1	With 12V-bulb, with location light, Max. load: 10A at 12V
6HH 004 570-477	1	With 24V-bulb, with location light and pilot light
6HH 004 570-481	1	With 24V-bulb, with location light and pilot light
6HH 004 570-491	1	With 12V-bulb, with location light and pilot light
6HH 004 570-581	1	With 12V-bulb, with location light, red push-button
6HH 004 570-591	1	With 24V-bulb, with location light, red push-button

Accessories see page 3.20 - 3.30



       	Part no.	Pk.	Accessories for switches in model range 007 832-..., 008 948-..., 004 570-... and 008 910-... Mounting panels Black. Mounting panel for 6 switches Mounting aperture: 156.1 x 48.2 mm 8HG 713 626-001 12 8HG 714 504-001 10 for 3 switches Mounting aperture: 77.6 x 48.2 mm
			Modular mounting-panel system Black. 2 end pieces and 1 middle piece are needed to make a mounting panel. By adding middle pieces, this panel can be extended as required. 8HG 716 734-001 10 End piece 8HG 716 734-007 200 8HG 716 735-001 10 Middle piece 8HG 716 735-007 200
			Cover plug For closing empty switch apertures in mounting panel. 9HB 713 629-001 10 Plug
			Socket housing 8JA 713 631-001 10 Socket housing, 8 pole 8JA 713 631-007 1000

    	Part no.	Pk.	Warning lights Warning lights for switches 007 832-... and 008 948-... with 12V bulb with 24V bulb with LEDs, 12V and 24V Warning lights for switches 004 570-... and 008 910-... with 12V bulb with 24V bulb with LEDs, 12V and 24V  1x12V1.2W (W5/1.2) 8GP 002 095-121 1x24V1.2W (W5/1.2) 8GP 002 095-241
	2AA 713 628-021	10	
	2AA 713 628-031	10	
	2AA 713 628-041	10	
	2AA 713 628-001	10	
	2AA 713 628-011	10	
	2AA 713 628-051	10	
	9FF 713 627-001	10	Bulb holders Bulb holders for warning lights *) with 12V bulb with 24V bulb  1x12V1.2W (W5/1.2) 8GP 002 095-121 1x24V1.2W (W5/1.2) 8GP 002 095-241
	9FF 713 627-011	10	
	9FF 713 627-031	10	Bulb holders with LEDs, 12V and 24V for warning lights with 5 mm dia. LEDs
	8JA 715 600-001	10	Socket housing for bulb holders Socket housing, 2 pole

*) Changeable against bulb holder with LEDs.

Switches

Symbol cards for switches in model range 007 832 / 008 948 / 004 100 / 004 570 / 008 910



Light	Part no.	Symbol	Colour		Light	Part no.	Symbol	Colour	
Light	9XT 713 630-301		green	001	Instrument panel illumination	9XT 714 300-661		green	019
Dipped beam	9XT 713 630-311		green	002	Instrument panel illumination, bright medium weak	9XT 713 630-271		green	020
Main beam	9XT 714 300-131		blue	003		9XT 714 300-031		green	021
Additional main beam	9XT 714 300-671		blue	004		9XT 713 630-501		green	022
Fog light	9XT 713 630-351		green	005	Interior light, bright weak	9XT 714 300-241		green	023
Work light front	9XT 713 630-421		green	006	Light off			green	025
rear	9XT 713 630-701		green	007	Map light	9XT 713 630-511		green	026
	9XT 740 763-491		red		Map light			green	027
Position light	9XT 713 630-331		green	009	Driving compartment lighting	9XT 713 630-491		green	028
Side light	9XT 714 300-651		green	010	Passenger-side lighting			green	029
Position light 1	9XT 714 300-681		green	011	Boot lighting	9XT 713 630-641		green	030
Rear fog light	9XT 713 630-361 9XT 713 630-411		yellow green	012	Main light	9XT 713 630-261		green	031
Indicator	9XT 714 300-141		green	014	Room lamps	9XT 714 300-321		green	032
Warning light	9XT 713 630-391		red	015	Work-lighting 1	9XT 713 630-371 9XT 734 713-121		green yellow	033
Warning light	9XT 714 300-691		orange	016	Work-lighting 2				034
Front flasher	9XT 740 763-571		green	017	Table light	9XT 714 300-721		green	035
Cargo area illumination	9XT 740 763-311		yellow	018					

All symbol cards with part no. are packed in 25s.



Switches

Symbol cards for switches in model range 004 100 / 007 832 / 008 948 / 004 570 / 008 910

Light	Part no.	Symbol	Colour		Light	Part no.	Symbol	Colour	
Night light	9XT 714 300-701		green	036	Front flasher				216
Rotating beacon 1	9XT 713 630-281 9XT 713 630-711		green yellow	037	Rear flasher		Heck- blitz		217
Rotating beacon 2				038	Rear flasher				218
Light switch 1				039	VWA		VWA 		219
Light switch 2				040	RFS		RFS 		220
Bulb test	9XT 714 300-501	TEST 	green	226	UFB		UFB 		221
Light pole	9XT 740 763-601		yellow		Rod-type light				223
Bulb	9XT 740 763-121		red		Rear fog light on/off				229
Stairs	9XT 740 763-701		green						
Rotating beacon				205					
Light pole				208					
Tool room				209					
RKL driver cab		RKL Fahr- erhaus		212					
Rotating beacon 3				213					
Signal		Signal		214					
Front flasher		Front- blitz		215					

All symbol cards with part no. are packed in 25s.

Switches

Symbol cards for switches in model range 004 100 / 007 832 / 008 948 / 004 570 / 008 910

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All symbol cards with part no. are packed in 25s.

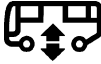
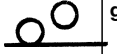
Inside	Part no.	Symbol	Colour		Inside	Part no.	Symbol	Colour	
Lifting roof	9XT 714 300-021		green	138	Heater	9XT 713 630-201		green	164
Central locking system	9XT 714 300-541		green	149		9XT 713 630-671		green	165
Window lift	9XT 713 630-181		green	150	Auxiliary heating 1	9XT 713 630-211		green	166
	9XT 714 300-041		yellow	151	Heater fan	9XT 713 630-221		green	167
Window lift	9XT 714 300-341		green	152	Seat heating	9XT 714 300-781		green	168
Sun roof			green	153	Heating driver's side	9XT 714 300-791		green	169
Air conditioning	9XT 714 300-771		green	154	Buzzer	9XT 714 300-641		green	
Fan, fast	9XT 713 630-251		green	155	Auxiliary heating 2	9XT 713 630-601		green	
slow	9XT 713 630-531		green	156					
Fan, fast/slow	9XT 714 300-311		green	157					
Fan, speed adjustment	9XT 740 763-511		green	158					
Fan	9XT 714 300-751		green	159					
Fresh air	9XT 713 630-291		green	160					
Air filter	9XT 740 763-401		yellow	161					
Roof fan	9XT 713 630-681		green	162					
Activate sunshades	9XT 714 300-591		green	163					

All symbol cards with part no. are packed in 25s.

Switches

Symbol cards for switches in model range 004 100 / 007 832 / 008 948 / 004 570 / 008 910



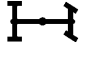
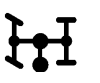
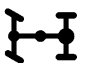
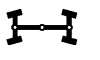
Body	Part no.	Symbol	Colour		Body	Part no.	Symbol	Colour	
Niveau-regulierung	9XT 714 300-471		yellow	128	Cylinder down rapid			yellow	147
Level 1				129	Ground pressure regulator	9XT 740 763-501		green	148
Height adjustment	9XT 714 300-071		yellow	130	Lifting table on/off	9XT 714 300-261		green	
Lower	9XT 713 630-621		green	131	Lock Telescopic arm 1	9XT 714 300-161		green	
Raise	9XT 713 630-631		green	132	Support right	9XT 713 630-731		green	
Raise			yellow	135	Support left	9XT 713 630-741		green	
Raise/lower	9XT 734 713-521		yellow	136	Operating hydraulic system	9XT 734 713-551		red	
All raise/lower			yellow	137	Tipper, loading-area repositioning (turned 180°)	9XT 740 763-531 9XT 740 763-541		green red	
Lifting table head down/up	9XT 714 300-251		green	139					
Operating hydraulic system				140					
Trailing axle			green	141					
Full floating axle	9XT 713 630-761 9XT 734 713-571		yellow orange	142					
Lift axle				143					
Deaeration 3rd axle axle raise	9XT 714 300-431		green	144					
Dumping	9XT 734 713-281		orange	145					
Cylinder down			yellow	146					

All symbol cards with part no. are packed in 25s.



Switches

Symbol cards for switches in model range 004 100 / 007 832 / 008 948 / 004 570 / 008 910

Drive	Part no.	Symbol	Colour		Drive	Part no.	Symbol	Colour	
Lubrication	9XT 714 300-181		red	092	Fast	9XT 713 630-401		green	107
Engine start	9XT 714 300-381		green	093	Sloe	9XT 713 630-691		yellow	108
Preheating	9XT 714 300-391		yellow	094	All-wheel drive	9XT 734 713-771		green	109
Preheating fuel	9XT 714 300-481		green	095	Power take-off	9XT 734 713-231		green	110
Engine stop	9XT 714 300-401		red	096	Differential lock	9XT 714 300-111		green	111
Motor malfunction	9XT 734 713-431		yellow	097	Differential lock			green	112
Throttle valve				098	Differential lock	9XT 740 763-331		red	113
Increased rpm	9XT 714 300-421		orange	099	Differential lock	9XT 740 763-381		red	114
Battery	9XT 714 300-201		yellow	100	Automatic idle	9XT 713 630-751		red	116
Auxiliary battery	9XT 714 300-331		green	101	Fuel	9XT 734 713-511		yellow	117
Breaker 1	9XT 740 763-231		green	102	Change-over tanks	9XT 714 300-051		green	118
Breaker 2				102	Turbine	9XT 740 763-341		red	119
Temperature	9XT 714 300-191		red	103	Speed of PTO s haft, front	9XT 744 039-002		yellow	120
Pre-heater	9XT 713 630-451		yellow	104	All-wheel drive	9XT 734 713-411		yellow	121
STOP	9XT 734 713-211	STOP	green	105	Transmission oil pressure	9XT 734 713-591		red	122
On/off			green	106	Transmission, oil temperature	9XT 734 713-611		red	123

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All symbol cards with part no. are packed in 25s.

Switches

Symbol cards for switches in model range 004 100 / 007 832 / 008 948 / 004 570 / 008 910



Drive	Part no.	Symbol	Colour		Auxiliary symbol cards	Part no.	Symbol	Colour	
Hydraulic oil filter	9XT 734 713-371		red	124	Without symbol	9XT 713 630-001 9XT 713 630-011 9XT 713 630-021 9XT 713 630-031 9XT 734 713-131 9XT 734 713-621 9XT 740 763-291		green black red yellow clear blue orange	
Torque converter oil filter			red	125					
Oil pressure/temperature	9XT 744 039-052		red	126	Without laser symbol				000
Interruption in power train			green	127	Overload warning device	9XT 713 630-381		red	041
Start	9XT 734 713-151	START	green		Horn	9XT 713 630-461		green	042
					Horn	9XT 734 713-601		black	
Vibrating device	9XT 734 713-341		yellow		Horn				043
Steering aid 1	9XT 734 713-421		red		Horn	9XT 714 300-291		green	044
Steering aid 2	9XT 734 713-351		red		Signal-switch-over	9XT 714 300-301		green	045
Fremo Motore/Retarder	9XT 744 039-082		green		Reverse signal	9XT 734 713-241		green	046
					City/country signal	9XT 740 763-581	S/L	green	047
					Km/h		km/h	green	048
					Speed limit			yellow	049
					WC	9XT 713 630-591	WC	green	050
					TV	9XT 714 300-551		green	051
					Camera	9XT 714 300-561		green	052
					Radio/Music	9XT 714 300-571		green	053

All symbol cards with part no. are packed in 25s.

Auxiliary symbol cards	Part no.	Symbol	Colour		Auxiliary symbol cards	Part no.	Symbol	Colour	
Refrigerator	9XT 714 300-101		green	054	Plate broom (turned right)				070
Bell			green	055	Plate broom up	9XT 734 713-271		orange	071
Bell				056	Double plate broom			orange	072
Door opener	9XT 714 300-631		green	057	Plate broom			orange	073
Front door	9XT 713 630-551		green	058	Plate broom spray water	9XT 740 763-621		green	074
Rear door	9XT 713 630-561		green	059	Brush right on/off			orange	075
Door plate	9XT 740 763-251		red	060	Brush raise/lower	9XT 744 039-042		orange	076
Arrow, up	9XT 740 763-461		yellow	061	Brush side	9XT 740 763-711		green	077
Arrow, left	9XT 740 763-451		yellow	062	Spray water	9XT 740 763-631		green	078
Arrow, right	9XT 740 763-471		yellow	063	Hasp	9XT 740 763-641		green	079
Tail gate	9XT 740 763-591		green	064	Broom up/down	9XT 740 763-651		green	080
Cutting tool, reversing	9XT 740 763-481		green	065	Dumping	9XT 740 763-611		white	081
Cutting tool, locked			red	066	Fast tipping	9XT 740 763-681		white	082
Socket	9XT 714 300-611		green	067	Auxiliary unit open	9XT 740 763-661		red	083
Water on/off	9XT 744 039-012		orange	068	Float position				084
Plate broom (turned left)	9XT 734 713-251		orange	069	Wheel chair				085

All symbol cards with part no. are packed in 25s.

Switches

Symbol cards for switches in model range 004 100 / 007 832 / 008 948 / 004 570 / 008 910



Auxiliary symbol cards	Part no.	Symbol	Colour		Auxiliary symbol cards	Part no.	Symbol	Colour	
WAIL signal		WAIL	180		Exhaust	9XT 714 300-281		green	
YELP signal		YELP	181		Mann with stik	9XT 714 300-621		orange	
HILO signal		HILO	182		Signal light wheelchair	9XT 740 763-001		red	
Step			183		Caution	9XT 740 763-011		red	
Undervoltage			206		Unsuitable for wheelchair	9XT 740 763-081		red	
Radio			207		Suitable for wheelchair	9XT 740 763-101		green	
Rear warning unit			210		Wheelchair	9XT 744 039-212		blue	
Arrow down			211		Fire alarm	9XT 744 039-092		red	
Working tool			222		ZIG ZAG	9XT 744 039-062		red	
Water pump			224		Proportional function	9XT 744 039-132		green	
Driving side door			225		High-pressure cleaner			green	
Retarder			227		Funnel drain			green	
Engine brake		ENGINE BRAKE	228		Hose	9XT 744 039-192		green	
ISO 2W	9XT 714 300-731		green						
Hostess-call	9XT 714 300-581		green						
Off-road gear	9XT 734 713-401		green						
Fuel leak cut-off	9XT 714 300-001		orange						

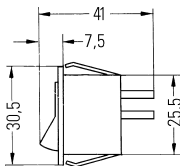
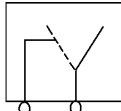
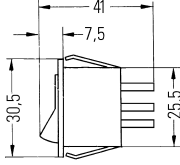
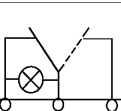
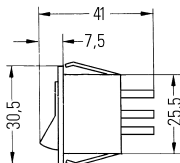
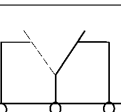
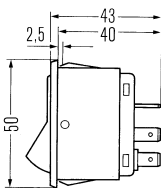
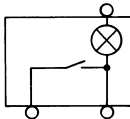
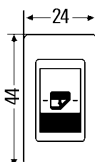
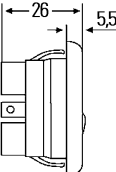
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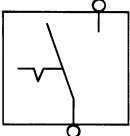
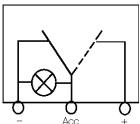
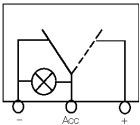
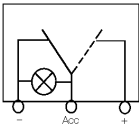
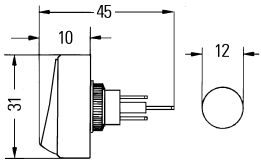


Cross-Reference
007 832 / 008 948 / 004 570 / 008 910

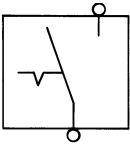
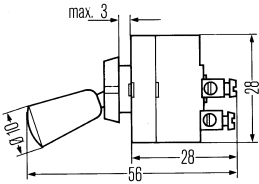
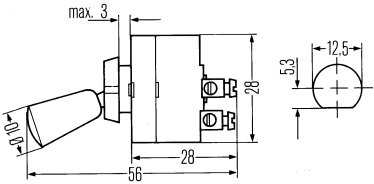
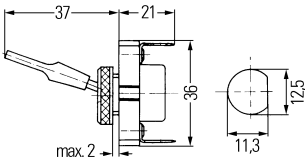
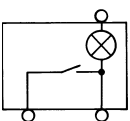
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6EH 007 832-01	6EH 004 570-01	6RH 007 832-42	6RH 004 570-33	-	6GM 004 570-77
6EH 007 832-02	6EH 004 570-02	6RH 008 948-01	6RH 008 910-01	-	6GM 004 570-79
6GM 007 832-18	6GM 004 570-05	6EH 007 832-49	-	-	6RH 008 910-00
6GM 007 832-19	6GM 004 570-06	6EH 007 832-60	6EH 004 570-63	-	6RH 004 570-78
6GM 007 832-58	6GM 004 570-69	6EH 007 832-67	-	6EH 007 832-04	6EH 004 570-62
6GM 007 832-27	-	6EH 007 832-75	6EH 004 570-64	6RH 007 832-73	6RH 004 570-32
6HH 007 832-32	6HH 004 570-49	6FH 007 832-50	-	6FH 008 948-02	-
6HH 007 832-29	6HH 004 570-47	6GM 007 832-21	6GM 004 570-07	-	6FH 004 570-54
6HH 007 832-77	-	6GM 007 832-22	6GM 004 570-08	-	6RH 008 910-02
6HH 007 832-30	6HH 004 570-48	6RH 007 832-33	6RH 004 570-15	-	6RH 008 910-03
6EH 007 832-61	6EH 004 570-68	6RH 007 832-34	6RH 004 570-16	-	6FH 008 910-04
6FH 007 832-05	6FH 004 570-10	6RH 007 832-35	6RH 004 570-17		
6FH 007 832-06	6FH 004 570-11	6RH 007 832-78	-		
6FH 007 832-08	6FH 004 570-12	6RH 007 832-70	6RH 004 570-37		
6FH 007 832-12	6FH 004 570-50	6RH 007 832-76	-		
-	6FH 004 570-34	6RH 007 832-45	6RH 004 570-40		
6FH 007 832-10	6FH 004 570-13	6RH 007 832-46	6RH 004 570-41		
6GM 007 832-52	-	-	6RH 004 570-67		
6FH 007 832-62	6FH 004 570-57	6RH 007 832-65	-		
6RH 007 832-43	6RH 004 570-35	6RH 007 832-68	-		
6RH 007 832-44	6RH 004 570-36	6RH 007 832-37	6RH 004 570-18		
6HH 007 832-28	6HH 004 570-45	6FH 007 832-13	6FH 004 570-51		
6HH 007 832-66	6HH 004 570-58	6GM 007 832-23	6GM 004 570-20		
6HH 007 832-64	6HH 004 570-59	6GM 007 832-24	6GM 004 570-21		
6HH 007 832-59	-	6FH 007 832-16	6FH 004 570-53		
6RH 007 832-48	6RH 004 570-75	6FH 007 832-15	6FH 004 570-52		
6FH 007 832-51	-	6FH 007 832-17	6FH 004 570-24		
6RH 007 832-39	6RH 004 570-26	6FH 008 948-02	6FH 004 570-24		
6RH 007 832-38	6RH 004 570-19	6GM 007 832-26	6GM 004 570-23		
6RH 007 832-74	-	6GM 007 832-25	6GM 004 570-22		
-	6RH 004 570-38	6GM 007 832-63	6GM 004 570-27		
6RH 007 832-55	-	-	6GM 004 570-29		
6RH 007 832-41	6RH 004 570-31	6HH 007 832-71	6HH 004 570-43		

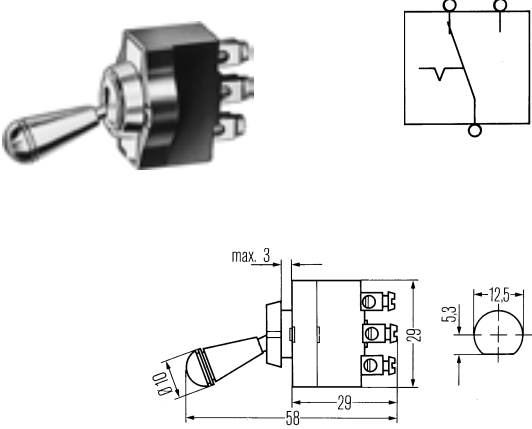
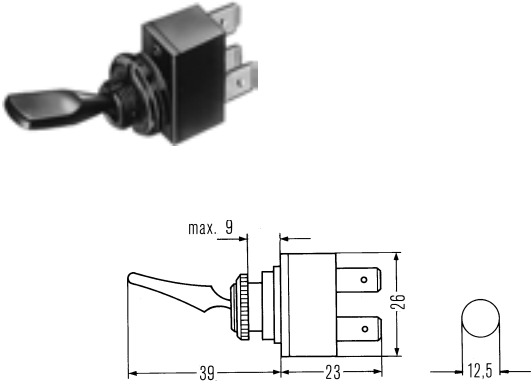
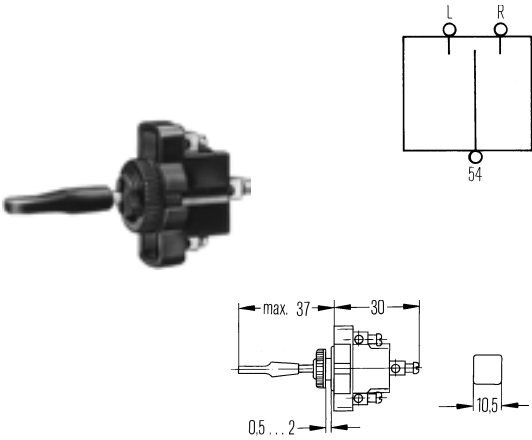
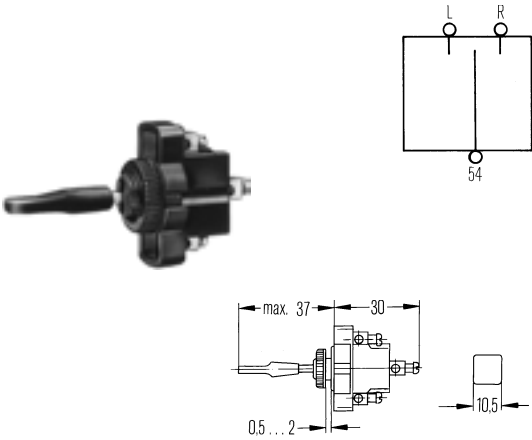
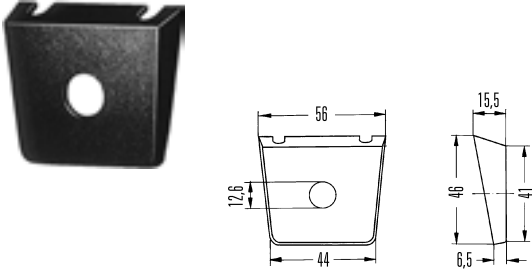


  	Part no.	Pk.	On-off switches Rocker switch. Black push-button. With two 6.3 mm blade terminal contacts. 2 switch positions: 0 = off, 1 = on. Max. load: 10A at 12V.
  	6EH 004 406-001	1	On-off switch
  	6EH 004 406-002	10	carded
	6EH 004 406-012	1	On-off switch with red warning light
	6EH 004 406-022	1	with amber warning light
	6EH 004 406-032	1	with green warning light
	6EH 004 406-042	1	with blue warning light
			Change-over switch Rocker switch. Black push-button. With three 6.3 mm blade terminal contacts. 2 switch positions: 1 and 2. Max. load: 10A at 12V.
	6FH 004 406-052	1	Change-over switch
  	6EH 003 268-001	5	On-off switch Rocker switch with pre-fitted 12V bulb. with three 6.3 mm blade terminal contacts. 2 switch positions: 0 = off, 1 = on. Max. load: 16A at 12V.
			On-off switch with red warning light  1x12V1.2W (W5/1.2) 8GP 002 095-121
  	6GH 857 414-001	1	Power window switch For window lifts 8EF 006 288-00/-01 and 8EF 006 291-80. Rocker switch With five 4.8 mm blade terminal contacts. 3 switch positions: down, 0 = off, up, automatic spring return to off position. Max. load: 10A at 12V.
			Power window switch

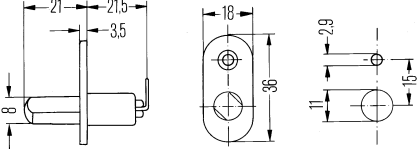
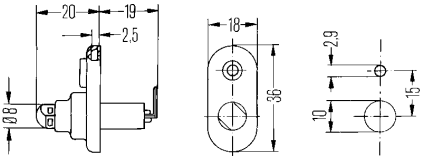
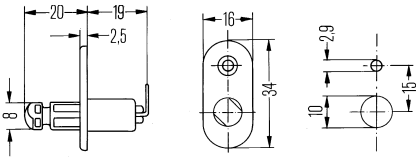
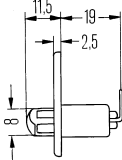
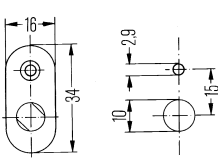
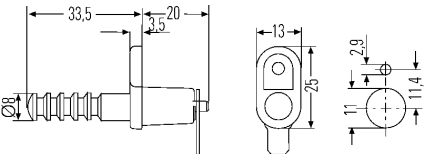
    	  	Part no. 6EH 004 407-002 6EH 004 407-012 6EH 004 407-022 6EH 004 407-032 6EH 004 407-042	Pk. 1 1 1 1 1	On-off switches Rocker switch. Black push-button. With two 6.3 mm blade terminal contacts. Self-service box. 2 switch positions: 0 = off, 1 = on. Max. load: 10A at 12V. On-off switch With three 6.3 mm blade terminal contacts. With pre-fitted 12V bulb. Self-service box. Max. load: 10A at 12V. On-off switch with red warning light with amber warning light with green warning light with blue warning light
	 	6EH 007 946-001 6EH 007 946-011 6EH 007 946-031 6EH 007 946-041	1 1 1 1	Rocker switch. With three 6.3 mm blade terminal contacts. With pre-fitted 12V bulb. Self-service box. 2 switch positions: 0 = off, 1 = on. Max. load: 10A at 12V. On-off switch with green warning light with red warning light with amber warning light with LEDs and green warning light
				Hazard flasher switches On-off switch with red warning light. Eight 6.3 mm blade terminal contacts. With pre-fitted 24V bulb. 2 switch positions: 0 = off, 1 = on. Max. load: 10 x 21W. Hazard flasher switch  1x24V1.2W (W5/1.2) 8GP 002 095-121
				Rocker switch with red warning light. With eight pin terminals. With pre-fitted 12V bulb. 2 switch positions: 0 = off, 1 = on. Max. load: 6 x 21W + 2 x 5W. Hazard flasher switch  1x12V1.2W (W5/1.2) 8GP 002 095-121

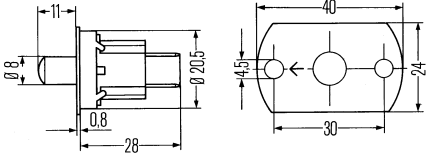
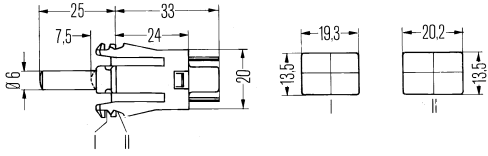


 	Part no.	Pk.	On-off switches Toggle switch. Black lever. With two screw contacts. 2 switch positions: 0 = off, 1 = on. Max. load: 6A at 12V, 3A at 24V.
 	6EG 001 567-011	10	On-off switch
 	6EG 001 567-041 6EG 001 567-042	10 1	Toggle switch. Black lever, flexible. With two 6.3 mm blade terminal contacts. Round nut for fixing. 2 switch positions: 0 = off, 1 = on. Max. load: 5A at 12V.
 	6EG 001 567-112 6EG 001 567-111 6EG 001 567-122	1 1 1	Toggle switch. With three 6.3 mm blade terminal contacts. With 12V bulb. 2 switch positions: 0 = off, 1 = on. Max. load: 10A at 12V. On-off switch with green warning light carded with amber warning light
	6EB 008 845-007	50	Blower switch. With five 6.3 mm blade terminal contacts. Type of predection: IP 53 acc. to DIN 400 50 Temperature resistance: -30 °C - +80 °C. Max. load: 30A at 12V. 4 switch positions: 0 = off Position I: 10A Position II: 15A Position III: 30A On-off switch, multi-stage

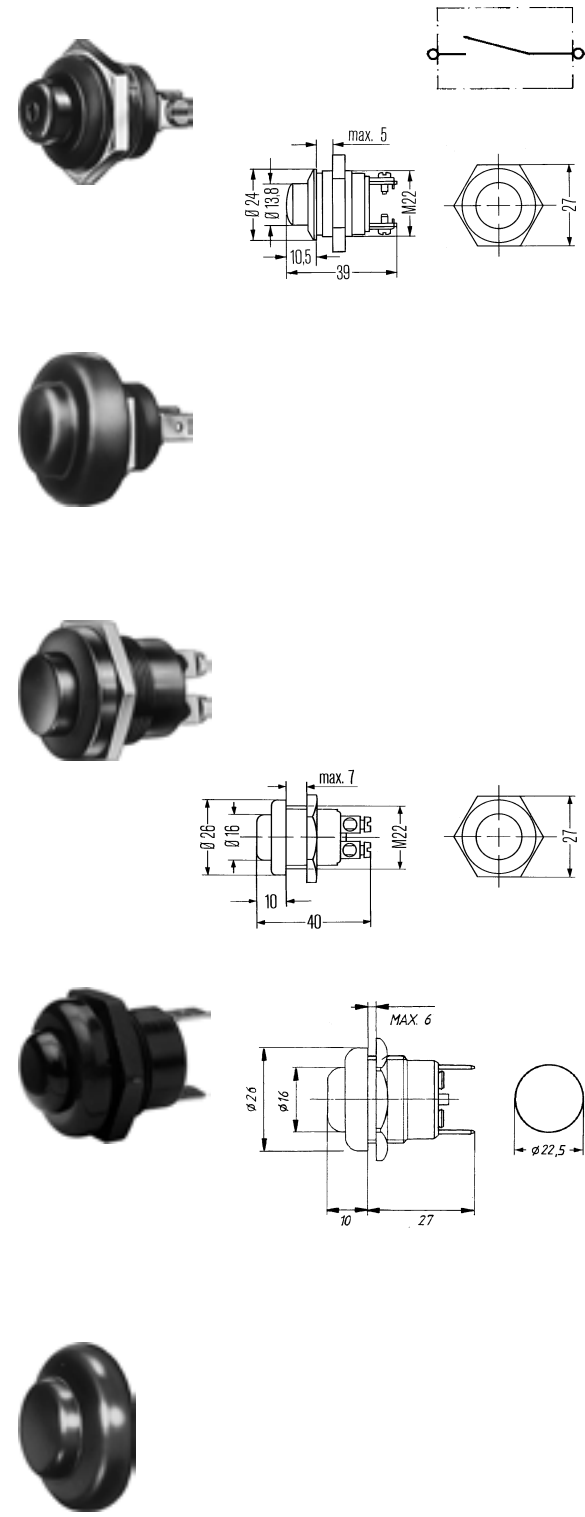
  	Part no. 6FG 002 312-001 6FG 002 312-002	Pk. 10 1	Change-over switches Toggle switch. Switch lever silver-coloured. With three screw contacts. 2 switch positions: 1 and 2. Max. load: 5A at 12V, 2A at 24V.
			Change-over switch Carded
			Toggle switch. Flexible switch lever. With three 6.3 mm blade terminal contacts, 2 switch positions: 1 and 2. Max. load: 5A at 12V.
			Change-over switch
	6BG 001 545-001	10	Flasher switch Toggle switch. Black lever. With three screw contacts. 3 switch positions: middle = off, right and left. Max. load: 5A at 12V, 2A at 24V.
			Flasher switch
	8HG 002 107-017	1	Mounting panel Black grained finish, suitable for switches 6BG 001 545-..., 6EG 001 567-..., 6EH 004 407-..., 6FG 002 312-..., 6FG 002 315-...

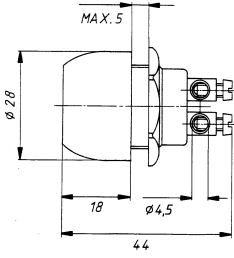
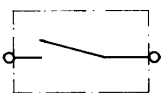
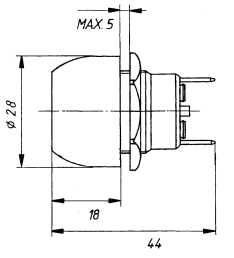
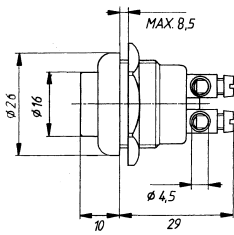
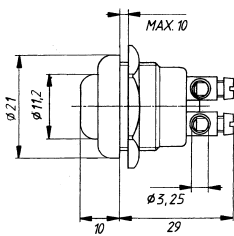
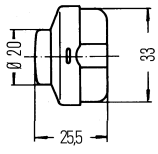
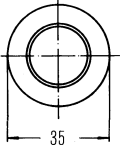
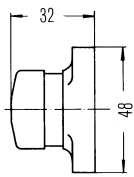
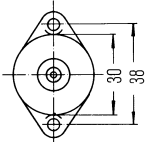


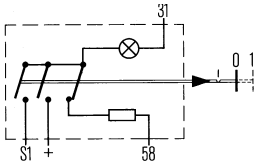
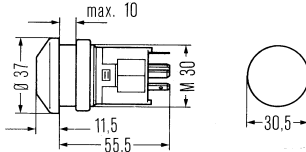
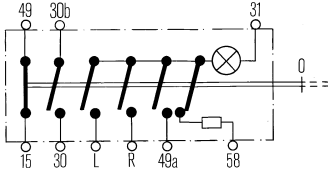
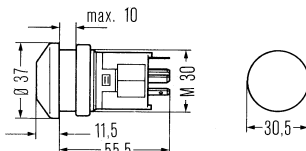
         	Part no.	Pk.	Switches/Door-contact With one 6.3 mm blade terminal contact. Pin protrudes in "on" position. Max load: 3.5A at 12V.
	6ZF 005 388-001	10	Switch/Door-contact with cover With one 6.3 mm blade terminal contact. Pin protrudes in "on" position. Max load: 3.5A at 12V.
	6ZF 004 365-031	10	Switch/Door-contact With one 6.3 mm blade terminal contact. Pin protrudes in "on" position. Max load: 3.5A at 12V.
	6ZF 004 365-001	10	Switch/Door-contact With one 6.3 mm blade terminal contact. Pin protrudes in "on" position. Max load: 3.5A at 12V.
	6ZF 004 365-011	10	Switch/Door-contact With one 6.3 mm blade terminal contact. Pin protrudes in "on" position. Max load: 3.5A at 12V.
	6ZF 007 239-001	10	Particularly suitable for anti-theft warning systems and use with low current. With one 6.3 mm blade terminal contact. Pin protrudes in "on" position. Sections of contact pin can be shortened individually up to 20 mm. Max. load: 0.4A at 12V.

 	Part no.	Pk.	Switches, Türkontakt With two 6.3 mm blade terminal contacts. Max. load: 1.5A at 12V, 0.75A at 24V. Switch/Door-contact Pin protrudes in "on" position.
	6ZF 003 549-001	10	
	6ZF 003 549-021	10	Pin protrudes in "off" position
 	6ZF 003 549-052	10	With two screw contacts. Pin protrudes in "on" position
	6ZF 004 229-011	1	With two 6.3 mm blade terminal contacts. Pin protrudes in "on" position. Max. load: 1.5A at 12V. Switch/Door-contact



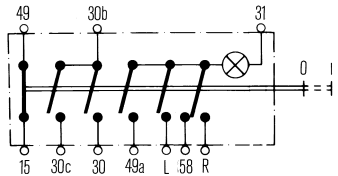
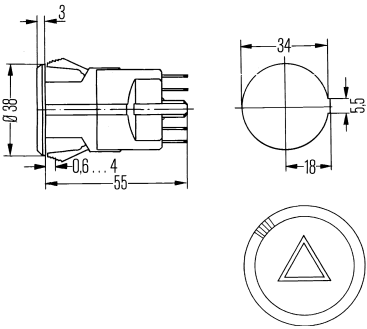
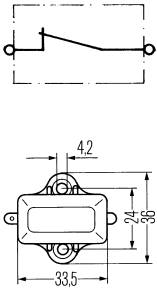
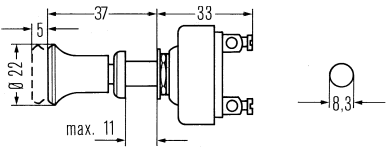
	Part no.	Pk.	Push-button switches For flush fitting. Black button. Two combined screw-/blade terminal contacts, for mounting surfaces up to 5 mm thick. Short term load: 20A at 12V, 15A at 24V. Push-button switch Carded
	6JF 001 571-001	5	
	6JF 001 571-002	1	
	6JF 001 571-041	5	With damp-proof cover Rubber cap (IP 54 DIN 40050) from the operation side. Push-button switch with two 6.3 mm blade terminal contacts Carded
	6JF 001 571-042	1	
	6JF 001 571-071	5	with two screw contacts
	6JF 001 571-101	10	For flush fitting. Black button. With two screw contacts, for mounting surfaces up to 7 mm thick. Short term load: 12.5A at 12V, 6.25A at 24V. Push-button switch
	6JF 001 571-131	10	With two 6.3 mm blade terminal contacts, for mounting surfaces up to 6 mm thick. Short term load: 16A at 12V, 8A at 24V. Push-button switch
	9GH 045 833-001	10	Damp-proof cover, for switches in model range 6JF 001 571-... Damp-proof cover

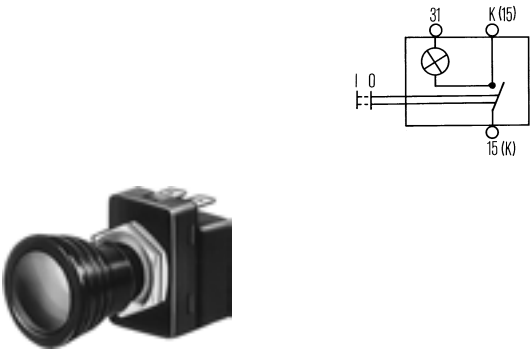
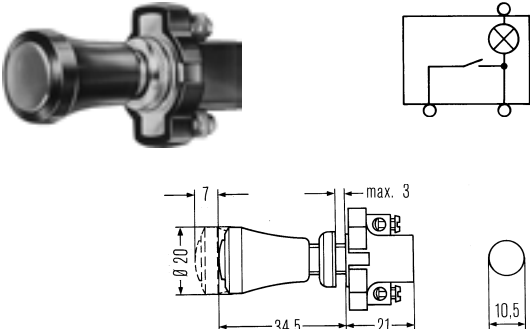
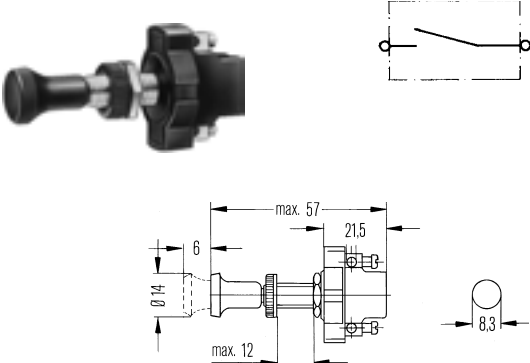
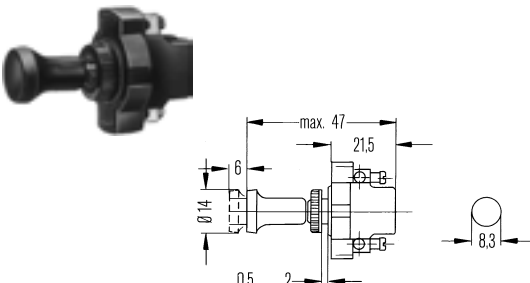
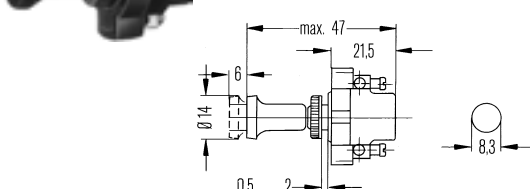
Part no.	Pk.	Push-button switches
   	10	For flush fitting. Black button. 2 screw contacts, for mounting surfaces up to 5 mm thick. With damp-proof cover. Max. load: 16A at 12V, 8A at 24V.
		Push-button switch
		With two 6.3 mm blade terminal contacts. Short term load: 16A at 12V, 8A at 24V.
  	10	Push-button switch
		Metal body. With 2 screw contacts. Short term load: 16A at 12V, 8A at 24V.
		Push-button switch for mounting surfaces up to 8.5 mm thick
  	10	Push-button switch for mounting surfaces up to 10 mm thick
		Short term load: 12A at 12V, 5A at 24V.
		For mounting surfaces up to 10 mm thick
  	10	For external fitting. Black button. Chrome-nickel alloy cap. Two screw contacts. Max. load: 10 ecs. with 10A at 12V, 5A at 24V.
		Push-button switch
		For external fitting, with two screw contacts. Max. load: 6A at 12V.
  	10	Push-button switch
  	10	Push-button switch

  	Part no.	Pk.	On-off switch Push-button switch with green warning light. Splash-proof (according to DIN 40 005, IP 66 A). Four 6.3 mm blade terminal contacts. With pre-fitted 12V bulb. 2 switch positions: 0 = off, 1 = on. Max. load: 14A at 12V.		
			On-off switch  1x12V1.2W (W5/1.2) 8GP 002 095-121		
	  		1	Hazard flasher switches Push-button switch with red warning light. Predected against spray water (according to DIN 40 050, IP 66 A). With nine 6.3 mm blade terminal contacts. 2 switch positions: 0 = off, 1 = on. Max. load: 14A at 12V, 7A at 24V.	
			Hazard flasher switch with pre-fitted 12V bulb Without contact 30b. Max. load: 14A at 12V, 7A at 24V.		
			With pre-fitted 12V bulb with pre-fitted 24V bulb  1x12V1.2W (W5/1.2) 8GP 002 095-121  1x24V1.2W (W5/1.2) 8GP 002 095-241		
	Part no.	Pk.	Socket housing For switches in model range 003 916-...		
			Socket housing, 9-pin, carded		

Part no.	Pk.	Hazard flasher switches
		Push-button switch, except vehicles with stop/flasher change-over. Red push-button with symbol. Black grained plastic mounting panel for under-dashboard fitting. Can be mounted into dashboards without mounting panel. Suitable bulb must be ordered separately.
		2 switch positions: 0 = off, 1 = on.
		Max. load at 12V: Terminal 49-15, 49a-L and 49a-R: 7A, 30b-30: 14A.
6HF 001 579-052	1	Hazard flasher switch with bracket
6HF 001 579-061	2	without bracket
		Same as 6HF 001 579-052, but for use with combined direction and hazard flasher units 4DM 003 944-041 or 4DW 003 944-051 only, except vehicles with stop/flasher change over. Suitable bulb must be ordered separately.
		Max. load at 12V: Terminal 49-15, 49a-L and 49a-R: 7A, 30b-30: 14A.
6HF 001 579-011	5	Hazard flasher switch without bracket
6HF 001 579-071	10	Without bracket, with pre-fitted 24 bulb
6HF 001 579-157	100	Without bracket, with pre-fitted 24V bulb and red push-button 9SK 702 331-071 (Pk.10)
		1x12V2W (J) 8GP 002 066-121 1x24V3W (J) 8GP 002 066-241
		Socket housing Eight 6.3 mm blade terminal contacts for switches in model range 6HF 001 579-...
8JA 001 926-001	10	Socket housing, 8-pin, carded

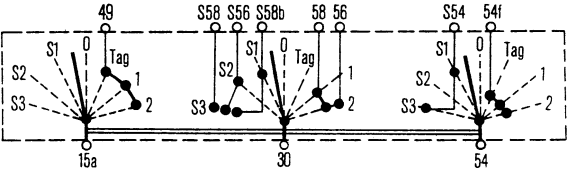
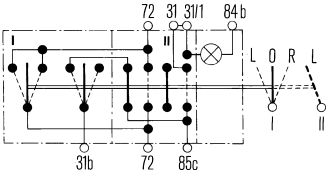
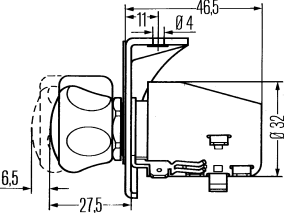


   		Part no.	Pk.	Hazard flasher switch Push button switch. Ten 6.3 mm blade terminal contacts. Suitable bulb must be ordered separately. 2 switch positions: 0 = off, 1 = on. Max. load: 8 bulbs 21W. Hazard flasher switch  1x12V2W (T8/2) 8GP 002 068-121 1x24V2W (T8/2) 8GP 002 068-241 Push-button, red Socket housing for hazard flasher switch 6HF 002 372-041.
 		6DF 001 551-091	2	Switch, stop light (push-type) Switch is " on " when in normal position. Plastic body. With rubber predective cap. Two screw contacts. Max. load: 7A at 12V. Switch, stop light
 		6ED 001 564-001	10	On-off switch Push-pull switch, black knob, for dashboards up to 11 mm thick. Two screw contacts. 2 switch positions: 0 = off, 1 = on. Max. load: 10A at 12V, 5A at 24V. On-off switch

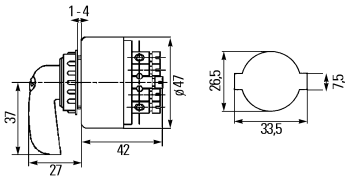
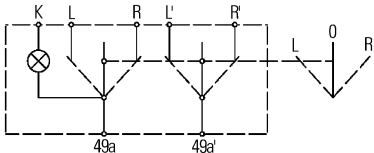
		Part no.	Pk.	On-off switches Push-pull switch with soft plastic safety knob. Three 6.3 mm blade terminal contacts. Pilot or location light by reversing terminals 15 and K. Suitable bulb must be ordered separately. 2 switch positions: 0 = off, 1 = on. Max load: 8A at 12V, 4A at 24V. On-off switch with red warning light 6ED 004 778-011 2 6ED 004 778-021 2 with green warning light 6ED 004 778-031 2 with amber warning light 6ED 004 778-001 1 With green warning light and pre-fitted 12V bulb, Interchangeable lenses (1 red and 1 amber) included, in self-service box  1x12V1.2W (W5/1.2) 8GP 002 095-121 1x24V1.2W (W5/1.2) 8GP 002 095-241
		6ED 001 565-001	10	Push-pull switch with two screw contacts. 2 switch positions: 0 = off, 1 = on. Max. load: 5A at 12V. On-off switch with red warning light  1x12V2W (J) 8GP 002 066-121
		6ED 001 563-001 6ED 001 563-003	1 25	Push-pull switch with black knob. Two screw contacts 2 switch positions: 0 = off, 1 = on. Max. load: 10A at 12V. On-off switch for dashboards up to 12 mm thick
		6ED 001 563-004	1	carded
		6ED 001 563-021	10	For dashboards up to 2 mm thick

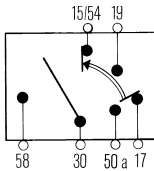
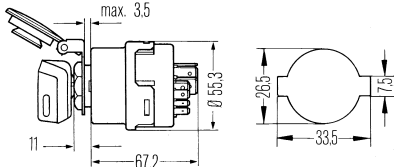
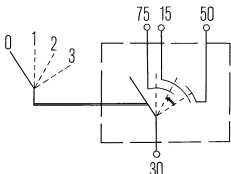
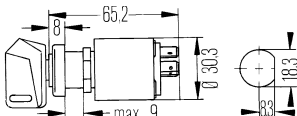


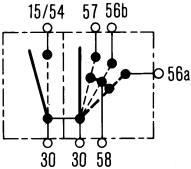
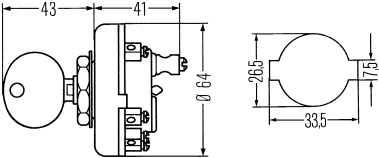
 	Part. no.	Pk.	Hazard warning systems Push-pull switch, red knob with warning light. With holder and 600 mm lead set. With pre-fitted 12V bulb. 2 switch positions: 0 = off, 1 = on. Max. load: 6 x 21W. Hazard warning system for vehicles with 12V system 6HD 002 535-031 1 6HD 002 535-101 1 splash-proof For vehicles with 24V system, with pre-fitted 24V bulb 1x12V1.2W (W5/1.2) 8GP 002 095-121 1x24V1.2W (W5/1.2) 8GP 002 095-241
 	6HD 001 561-001	1	Push-pull switch. Red warning light with safety symbol in soft plastic switch knob. For mounting to dashboard or other suitable surface. Seven 6.3 mm blade terminal contacts. With pre-fitted 12V bulb. 2 switch positions: 0 = off, 1 = on. Max. load: 6 x 21W. Hazard flasher switch 1x12V1.2W (W5/1.2) 8GP 002 095-121
 	Switches, stop light Push-pull switch, with rubber predictive cap. Spring is tensioned in "on" position. Switch is "off" when in normal position. Plastic body. Clamp for 6 mm brake linkage dia. With two screw contacts. Max. load: 7A at 12V. Switch, stop light without rubber predictive cap, with 65 mm spring length 6DD 001 551-001 2 6DD 001 551-011 2 6DD 001 551-017 250 6DD 001 551-187 126 with rubber predictive cap and 65 mm spring length with rubber predictive cap and 72 mm spring length		

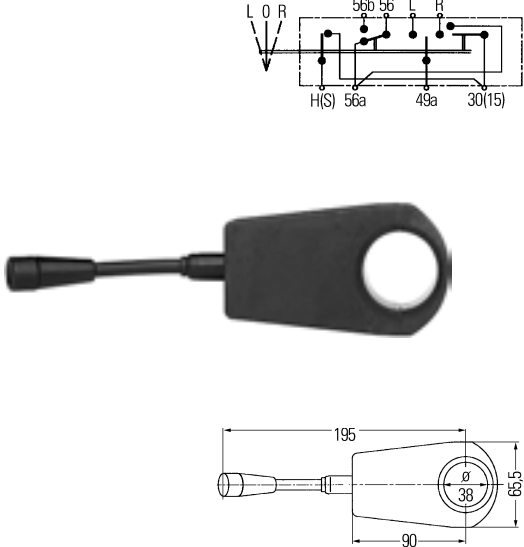
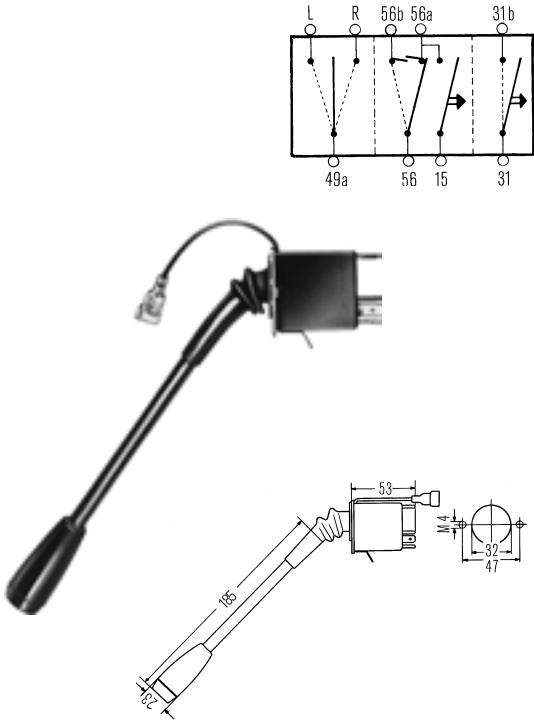
 	Part no. 6LB 005 389-001	Pk. 1	Lighting switch Rotary switch for mounting into dashboards. Painted after RAL 6031. Splash-proof, with eleven screw contacts. For 2 mutually separated circuits a = standard legal circuit, b = camouflage circuit. Max.load: 5A at 24V.
   	6ZE 001 759-051 6ZE 001 759-061 6ZE 001 759-071 9SG 703 965-007	1 1 1 1	Alarm switches Push-pull-redary alarm switch with warning light. Softplastic knob with inscription ALARM and symbol for redating beacon. Seven blade terminal contacts. 4 switch positions: 0 = off, right = redating beacon on, townhorn ready for operation, left= redating beacon on, successive-tone signal ready for operation, pulled out = rotating beacon on; permanent operation of successive-tone signal. Max.load terminal 72 to 72: 20A at 12V, terminal 31 to 31 or 85c: max. 1A. For positive input (positive earth) it is necessary to separate the clamp on terminal 31/1. Alarm switch with pre-fitted 12V bulb Alarm switch with pre-fitted 24V bulb Max.load terminal 72 to 72: 10A at 24V. Alarm switch With integral 12V bulb and and spare 24V bulb Spare parts: Knob  1x12V1.2W (W5/1.2) 8GP 002 095-121  1x24V1.2W (W5/1.2) 8GP 002 095-241



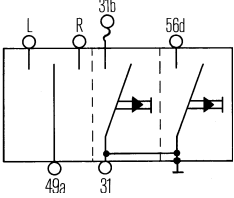
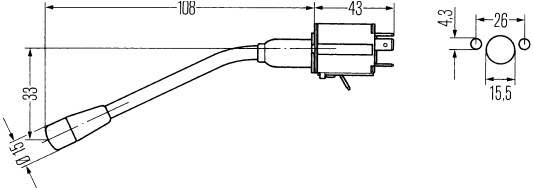
	Part no.	Pk.	Flasher switches Rotary switch, with red warning light incorporated in lever. With integrated bulb holder. Seven screw contacts. With a complete circuit diagram, the switch can also be used as a two-pole change-over switch with Off in the central position. Suitable bulb must be ordered separately. 3 switch positions: middle = off, right and left. Max. load: 4A at 12V.
	6BB 001 540-001	1	Flasher switch  1x12V2W (J) 8GP 002 066-121
	6BG 008 844-007	50	Rotary switch. Three 6.3 mm blade terminal contacts. 3 switch positions: middle = off, left and right, Max. load at 25,000 switch positions: 5A. Switching point per switch position: 25° ± 5° from the 0-position. Flasher switch

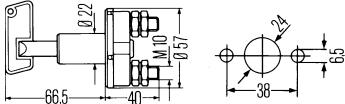
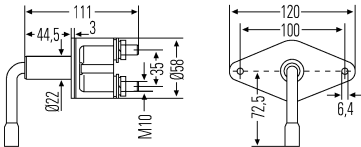
	Part no.	Pk.	Pre-heating starter switches																		
			Rotary switch with safety lock. 2 keys with plastic cap supplied. Key removable in position P and 0. 5 switch positions: P = side light, 0 = off, 1 = driving position, 2 = pre-heat, 3 = start. Key with spring-loaded return from positions 2 and 3. Max. load: <table><tr><th>Terminal</th><th>12V</th><th>24V</th></tr><tr><td>30 with 58</td><td>8A</td><td></td></tr><tr><td>30 with 15/54</td><td>35A</td><td>35A</td></tr><tr><td>30 with 19</td><td>60A</td><td>30A</td></tr><tr><td>30 with 17</td><td>60A</td><td>30A</td></tr><tr><td>30 with 50a</td><td>60/18A</td><td>40/5A</td></tr></table>	Terminal	12V	24V	30 with 58	8A		30 with 15/54	35A	35A	30 with 19	60A	30A	30 with 17	60A	30A	30 with 50a	60/18A	40/5A
Terminal	12V	24V																			
30 with 58	8A																				
30 with 15/54	35A	35A																			
30 with 19	60A	30A																			
30 with 17	60A	30A																			
30 with 50a	60/18A	40/5A																			
	6JB 003 959-001	1	Pre-heating starter switch																		
	6JB 003 959-011	1	With wall key and starter repeat lockout																		
	6JB 003 959-021	1	Switching key with moisture predection																		
	6JB 003 959-031	1	Switching key with moisture predection and starter repeat lockout																		
	8JA 735 460-001 8JA 735 461-001 9SL 740 558-007	5 5 1	Accessories: Plug, 4-pin 6-pin Key																		
			Ignition and starter switches																		
			Rotary switch with safety lock, 2 keys with plastic cap supplied. Key removable in position 0. With starter repeat lockout. 4 switch positions: 0 = off, 1 = special loadson, 2 = ignition, 3 = start, special loads off. Switch lever with spring-loaded return from position 3. Max. load at 12V: Terminal 15 = max. 25A, 50 = max. 50A, 75 = max. 20A.																		
	6JK 007 232-001	1	Ignition and starter switch, 12V																		
	6JK 007 232-011 6JK 007 232-017	1 50	With repeat start block, IP65																		

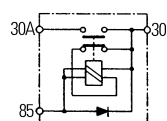
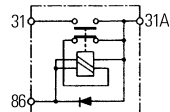
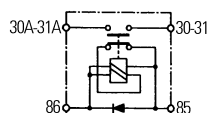
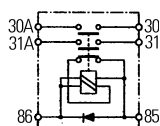
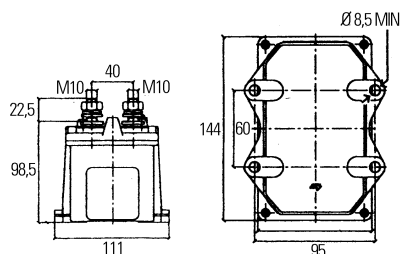
   	Part no.	Pk.	Ignition and lighting switch Rotary switch for diesel and petrol engines. Key with soft PVC grip. Seven screw contacts. 4 switch positions: 0 = ignition and daytime driving (key pressed in). 1 = side light, 2 = dipped beam, 3 = main beam. Press key in to switch back from position 2 to position 1. Max. load: 15A at 12V. For terminal 15/54: 25A at 12V.
	6TK 001 756-001	1	Ignition and lighting switch
	9SL 019 373-001	1	Ignition key for switch 6TK 001 756-001

Part no.	Pk.	Combination switches
		
6TA 003 394-001	1	Steering column mounted switch for flush fitting. Flasher switch with contact for horn and direction indicator light. Black handle. With eight blade terminal contacts and connecting lead. Two M4 fixing screws. 8 switch positions: middle = off, flasher light left and right, middle = dipped beam, forward = main beam, backward = headlamp flasher on, push button = horn, on and off. Max. load at 12V: 8A for direction indicator light, 15A for main/dipped beam, 10A for horn (inductive), 10A for headlamp flasher (inductive).
6TA 003 394-007	30	Flasher switch with 185 mm long lever
6TA 003 394-011	1	with 126 mm long lever
6TA 003 394-017	48	
6TA 003 394-047	1	with 111 mm long lever
6TA 008 520-017	20	Steering column mounted switch for flush fitting. Flasher switch with contact for horn and direction indicator light. Black body and handle. Mounting strap for steering column 38 mm dia. Positions: middle = off, dipped beam, flasher light left and right, forward = headlamp flasher on, push button = horn, on and off. Max. load at 12V: 7A for direction indicator light, 12.5A for dipped beam, 12.5A for headlamp flasher on, 15A for horn.
6TA 008 520-027	20	Combination switch, 9-pin
		13-pin

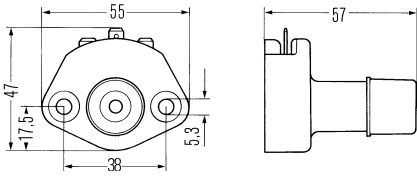
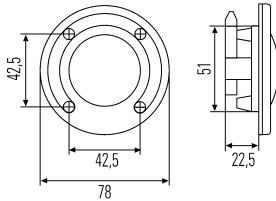


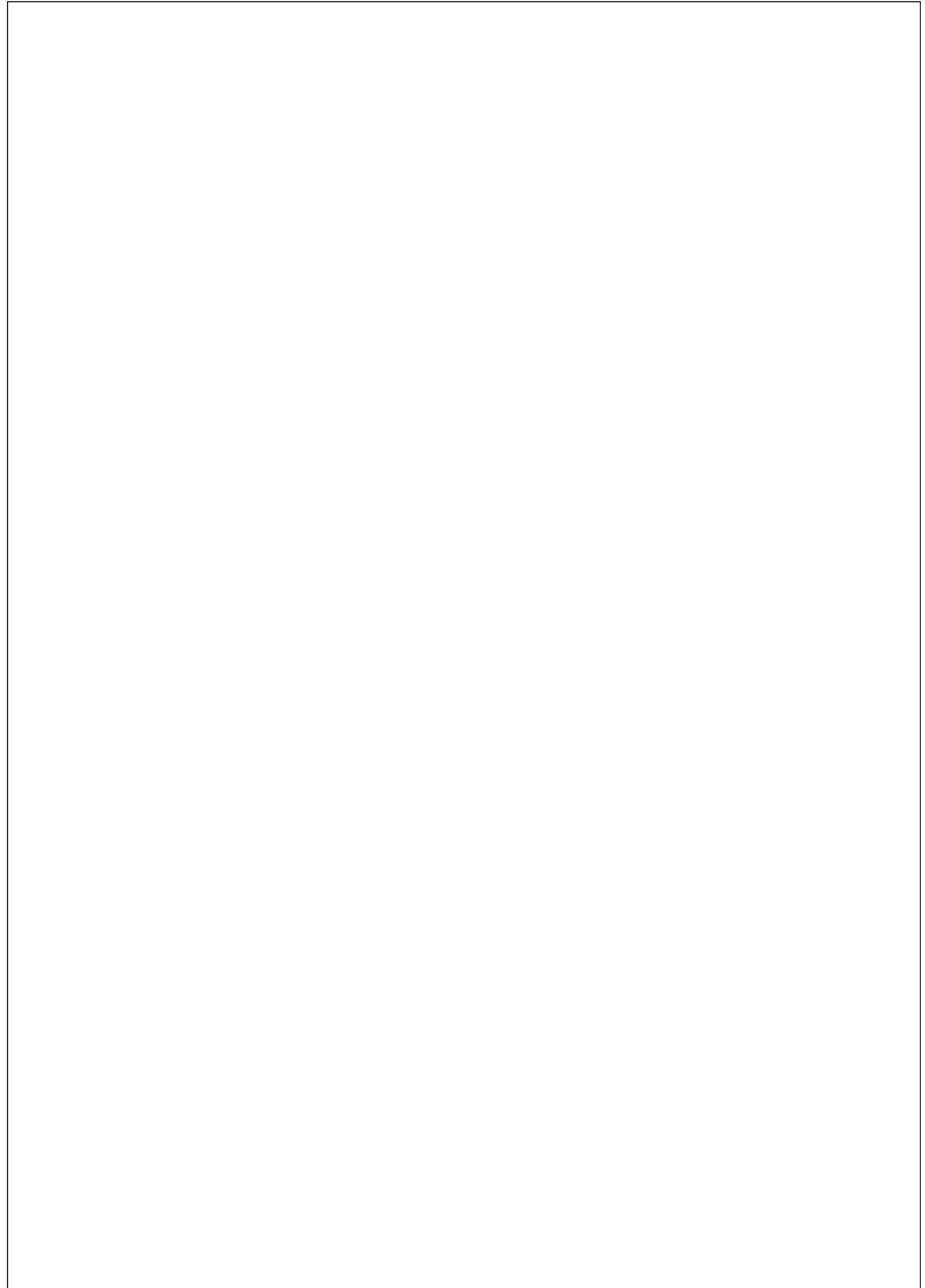
Part no.		Pk.	Combination switches
			Steering column mounted switch for flush fitting. With horn and headlamp flasher contact. Black knob and lever. Six 6.3 mm blade terminal contacts. Two M4 fixing screws. Switch positions: middle = off, flasher light left and right, push button = horn on and off, lever in raised position = headlamp flasher on. Max. load at 12V: 8A for flasher light, 10A (inductive) for horn, 2A (inductive) for headlamp flasher.
		1 100	Flasher switch with 108 mm long, lever bent 26° and 60 mm long lead with 6.3 mm blade terminal contact for terminal 31b
		1	With 123 mm long, black lever bent 45° and 60 mm long lead with 6.3 mm blade terminal contact for terminal 31b
		1	With 115 mm long lever bent 12° and 60 mm long lead with 6.3 mm blade terminal contact for terminal 31b
		1	With 123 mm long lever, bent upwards 45°, knob with symbols, with lead set
		1	With 115 mm long, straight, lever, knob with symbols, with lead set
		100	Without headlamp flasher contact, with 120 mm long, straight, lever, knob with symbols, with lead set

  		Part no.	Pk.	Battery master switches For battery and ignition current. With red key. Connection to either positive or negative lead. Switch key removable in "off" position only. Current supply interrupted when key removed. Two screw contacts. 2 switch positions: 0 = off, 1 = on. Max. load: 1000A at 12V (10 sec.), 500A at 24V (10 sec.). Max. continuous load: 50A at max. ambient temperature of 80° C with 35 sq. mm lead connected with ring-type terminals. Type of predection DIN 40 050 - IPX 2.
		6EK 002 843-001	1	Battery master switch
		6EK 002 843-003	1	Carded
		6EK 002 843-007	120	
		6EK 002 843-013	1	With tinned screw contacts
		6EK 002 843-017	1	Type of predection DIN 40 050: Key side IPX4, connection side IPX 2. Max. load: 100A at 24V
		6EK 002 843-051	1	With silver-plated screw contacts
		6EK 002 843-057	50	Type of predection: Key side IPX4, connection side IPX 2. Max. load: 150A at 24V
		9SL 706 729-011	10	Spare parts: Key
 		6EK 001 559-001	1	For battery main lead, with key. Connection to either positive or negative lead. Switch key removable in "off" position only. Current supply interrupted when key removed. Two screw contacts. 2 switch positions: 0 = off, 1 = on. Max. load: 2500A at 24V (10 sec.) Max. continuous load: 100A at max. ambient temperature of 60 °C with 50 sq. mm lead connected with ring-type terminals. Type of predection: Key side IPX4, connection side IP53.
		6EK 001 559-007	24	Battery master switch with one screw for each screw terminal
		6EK 001 559-011	1	with two screws for each screw terminal
		9SL 042 991-001	1	Spare parts: Key
		6EK 008 458-011	1	Max. continuous load: 250A at max. ambient temperature of 60 °C with 70 sq. mm lead connected with ring-type terminals. Type of predection: IP 65. Betriebstemperatur: -40° C bis + 80° C.
		6EK 002 843-071	1	Rotary switch for flush- or external fitting. Housing and button switch made of plastic. Several switches can be connected together saving space by removing the side wall. The red button switch can only be removed if it is has been turned 45° anti-clockwise. Splash-proof. Current connection: 2 x M10 screws. Type of predection: IP56 in compliance with DIN 40 050. Max. load: 225A (continuous load) at 12V/24V, max. 1000A (10 sec.) at 12V/24V.



Part no.	Pk.	Battery master switches
		Key-controlled master switches for separating and preducting the batery and all vehicle electric circuits. The versions with separate coil feed make it possible to separate any other circuits, e.g. side lifts. The switches can also be used to preduct cables with large power capacities, e. g. cables for starters, electromagnetic retarders etc. With 2 preductive caps. Technical data: Nominal operanting voltage: 12V/24V. Operating current during continuous operation: max. 250A. Operating current during brief operation: 1. 2500A for max. 5 seconds 2. 2000A for max. 30 seconds 3. 1500A for max. 60 seconds Type of preduction: IP65 (IEC 529) Min./max. operating temperature: -40 °C/ +85 °C. Nominal peak consumption of the coil: 2.6A at 12V, 3.2A at 24V. Nominal consumption of the coil during normal operation: 0.4A at 12V, 0.3A at 24V. Connection bolts M10 (galvanised brass). Brass nuts for contacts.
6EK 008 776-001	1	Battery master switch, separates + and - poles, 12V
6EK 008 776-011	1	24V
6EK 008 776-021	1	With separate coil, 12V
6EK 008 776-031	1	24V
6EK 008 776-041	1	Separates - pole, 24V
6EK 008 776-051	1	Separates + pole, 24V

   	Part no.	Pk.	Foot-operated dipper switch With catch. Operating pressure 40-60 N. Metal body. Three screw contacts. (According to C DIN 72 758). 2 switch positions: 0 = off, 1 = dipped beam on. Max. load: 15A at 12V.
	6AJ 001 751-021	1	Foot-operated dipper switch
	6EJ 996 067-631	1	Foot-operated switches Die-cast zinc housing. Temperature stability: -20 °C to +80 °C. Switch with 0.5 m lead. Max. load: 5A at 24V. Foot-operated switch, black = neutral
	6EJ 996 067-621	1	red = raise
	6EJ 996 067-611	1	green = lower
	6EJ 996 067-737	100	Loading platform switches With mounted silicone micro-switch. Loading platform switch, black = neutral
	6EJ 996 067-727	100	black = raise
	6EJ 996 067-717	100	black = lower





Wiper Blades, Water Pumps,
Water Tanks, Headlight Cleaning Systems



Wiper blades (left hand drive) Product descriptions	4.02-4.03
Water pumps, window- and headlight cleaning Product descriptions	4.04-4.09
Water tanks Product descriptions	4.10-4.13
Application combinations, water pumps / water tanks	4.14-4.17
Headlight cleaning systems	4.18
The vehicle application overviews can be found in the Hella Online Catalogue and TecDoc	

Wiper Blades

for Cars, Vans, Commercial and Agriculture Vehicles



	Part no.	Pk.	Wiper blade sets	
			Contains: 2 pieces	
	9XW 857 505-801	1	WB 1	280/280 mm
	9XW 857 510-801	1	WB 3	400/400 mm
	9XW 857 512-801	1	WB 4	450/450 mm
	9XW 857 514-801	1	WB 5	500/500 mm
	9XW 857 511-801	1	WB 7	420/420 mm
	9XW 857 513-801	1	WB 8	475/475 mm
	9XW 857 515-801	1	WB 9	530/530 mm
	9XW 857 509-801	1	WB 12	380/380 mm
	9XW 857 516-801	1	WB 13	550/550 mm
	9XW 858 790-801	1	WB 19	500/450 mm
	9XW 859 308-801	1	WB 20	600/600 mm S
	9XW 859 865-801	1	WB 21	530/530 mm S
	9XW 859 866-801	1	WB 22	530/475 mm S
	9XW 860 645-801	1	WB 23	600/600 mm
	9XW 860 646-801	1	WB 24	530/500 mm S
	9XW 860 647-801	1	WB 26	500/500 mm (rubber)
	9XW 860 648-801	1	WB 27	340/340 mm
	9XW 860 649-801	1	WB 28	550/500 mm
	9XW 860 651-801	1	WB 30	600/500 mm S
	9XW 860 658-801	1	WB 31	600/475 mm S
	9XW 860 659-801	1	WB 32	575/400 mm
	9XW 861 931-801	1	WB 33	475/475 mm S
	9XW 860 660-801	1	WB 35	500/500 mm S
	9XW 861 933-801	1	WB 36	550/550 mm S
	9XW 861 935-801	1	WB 37	700/700 mm
	9XW 861 934-801	1	WB 38	530/450 mm S
	9XW 861 939-801	1	WB 39	475/420 mm
	9XW 861 941-801	1	WB 41	600/550 mm S
	9XW 861 942-801	1	WB 42	530/530 mm S
	9XW 862 043-801	1	WB 43	650/550 mm
	9XW 862 044-801	1	WB 44	650/500 mm
	9XW 862 064-801	1	WB 45	530/475 mm S
	9XW 862 065-801	1	WB 46	600/500 mm
	9XW 862 066-801	1	WB 47	450/450 mm S
	9XW 862 067-801	1	WB 48	500/475 mm
	9XW 862 068-801	1	WB 49	580/500 mm S
	9XW 862 105-801	1	WB 50	650/450 mm
	9XW 862 115-801	1	WB 51	600/600 mm S
	9XW 862 180-801	1	WB 52	575/450 mm
	9XW 862 181-801	1	WB 53	550/530 mm
	9XW 862 220-801	1	WB 55	550/475 mm S
	9XW 862 221-801	1	WB 56	640/400 mm S
	9XW 862 223-801	1	WB 58	650/650 mm
	9XW 862 743-801	1	WB 60	600/550 mm S
	9XW 862 771-801	1	WB 61	400/550 mm S
	9XW 863 099-801	1	WB 63	550/500 mm S
	9XW 863 145-801	1	WB 64	600/550 mm
	9XW 863 146-801	1	WB 65	500/480 mm S
	9XW 863 147-801	1	WB 66	530/450 mm
	9XW 863 148-801	1	WB 67	475/475 mm S
	9XW 864 092-801	1	WB 68	650/475 mm S
	9XW 864 093-801	1	WB 69	700/650 mm S
	9XW 864 094-801	1	WB 70	600/450 mm S
	9XW 863 872-801	1	WB 72	475/475 mm G
	9XW 863 873-801	1	WB 73	530/530 mm G
	9XW 863 874-801	1	WB 74	475/530 mm G
	9XW 863 875-801	1	WB 75	550/550 mm G
	9XW 863 876-801	1	WB 76	700/700 mm G
	9XW 863 877-801	1	WB 77	475/600 mm G
	9XW 863 879-801	1	WB 79	650/650 mm G
	9XW 863 880-801	1	WB 80	680/680 mm G
	9XW 863 881-801	1	WB 81	650/475 mm G
	9XW 863 882-801	1	WB 82	650/550 mm G
	9XW 168 955-801	1	WB 83	700/600 mm G
	9XW 168 956-801	1	WB 84	650/425 mm G
	9XW 864 075-801	1	WB 90	475/475 mm GN
	9XW 864 076-801	1	WB 91	530/450 mm GN
	9XW 864 077-801	1	WB 92	530/475 mm GN
	9XW 864 078-801	1	WB 93	530/530 mm GN
	9XW 864 079-801	1	WB 94	550/475 mm GN
	9XW 864 080-801	1	WB 95	550/530 mm GN
	9XW 864 081-801	1	WB 96	600/475 mm GN
	9XW 864 082-801	1	WB 98	600/400 mm GN
	9XW 864 083-801	1	WB 99	650/550 mm GN
	9XW 864 084-801	1	WB 100	650/400 mm GN
	9XW 168 958-801	1	WB 101	650/450 mm GN
	9XW 168 959-801	1	WB 102	650/650 mm GN
	9XW 168 960-801	1	WB 103	550/400 mm GN
	9XW 168 962-801	1	WB 104	550/400 mm GN
	9XW 168 963-801	1	WB 105	450/450 mm GN

S = with spoiler
 G = jointless, vehicle-specific
 GN = jointless, retrofit



Wiper Blades

for Cars, Vans, Commercial and Agriculture Vehicles



S = with spoiler
G = jointless, vehicle-specific
GN = jointless, retrofit

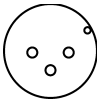
Part no.	Pk.	Wiper blade sets	
		Contains: 2 pieces	
9XW 177 810-801	1	WB 106	550/500 mm S/GN
9XW 177 811-801	1	WB 107	500/475 mm S/GN
9XW 177 815-801	1	WB 108	500/450 mm S/GN
9XW 177 816-801	1	WB 109	600/600 mm S/GN
9XW 177 817-801	1	WB 110	475/425 mm S/GN
9XW 177 818-801	1	WB 111	530/530 mm S/GN
9XW 177 819-801	1	WB 112	530/500 mm S/GN
9XW 177 820-801	1	WB 113	600/475 mm S/G
9XW 177 824-801	1	WB 114	650/575 mm S/G
9XW 177 827-801	1	WB 115	600/575 mm S/G
9XW 177 828-801	1	WB 116	550/450 mm S/G
9XW 177 829-801	1	WB 117	700/650 mm S/G
9XW 177 830-801	1	WB 118	550/400 mm S/G
9XW 177 832-801	1	WB 119	600/450 mm S/G
9XW 177 833-801	1	WB 120	600/450 mm S/G
		Wiper blades, single	
		Contains: 1 piece	
9XW 860 653-001	1	WB H1	340 mm
9XW 860 654-001	1	WB H2	400 mm
9XW 860 655-001	1	WB H3	450 mm
9XW 860 656-001	1	WB H4	480 mm
9XW 860 657-001	1	WB H5	500 mm
9XW 862 998-001	1	WB H6	280 mm
9XW 858 084-001	1	WB 18	600 mm
9XW 860 652-001	1	WB 25	650 mm
9XW 861 932-001	1	WB 34	640 mm
9XW 857 513-001	1	WB 54	450 mm
9XW 863 871-001	1	WB 71	750 mm G
9XW 168 957-001	1	WB 97	650 mm GN
9XW 862 050-001	1	NB 400	400 mm
9XW 862 051-001	1	NB 450	450 mm
9XW 862 052-001	1	NB 500	500 mm
9XW 862 054-001	1	NB 550	550 mm
9XW 862 055-001	1	NB 551	560 mm
9XW 862 056-001	1	NB 600	600 mm
9XW 862 058-001	1	NB 650	650 mm
9XW 862 059-001	1	NB 700	700 mm
9XW 862 060-001	1	NB 800	800 mm
9XW 862 061-001	1	NB 900	900 mm
9XW 862 062-001	1	NB 1000	1000 mm



 	Short designation WSS = window cleaning / SRA = headlight cleaning Application: WSS / SRA Power: 2 bar, 1 l/min Ø Housing: 35 mm Design: mano Ø In: 7 mm Ø Out: 6 mm Plug: 8JD 008 151-021
 	Application: WSS Power: 2 bar, 1 l/min Ø Housing: 35 mm Design: mano Ø In: 7 mm Ø Out: 6 mm Plug: VAG: 357 972 752
 	Application: WSS Power: 1.5 bar, 1 l/min Ø Housing: 35 mm Design: mano Ø In: 7 mm Ø Out: 6 mm Plug: 8JD 008 151-021
 	Application: SRA Power: 2.5 bar, 7.2 l/min Ø Housing: 35 / 46 mm Design: mano Ø In: 10.5 mm Ø Out: 11 mm Plug: 8JD 008 151-021
 	Application: WSS / SRA Power: 2.5 bar, 7.2 l/min Ø Housing: 35 / 46 mm Design: mano Ø In: 10.5 mm Ø Out: 11 mm Plug: 8JD 008 151-021



Water Pumps

  	Short designation WSS = window cleaning / SRA = headlight cleaning Application: WSS Power: 2 bar, 1 l/min Ø Housing: 35 mm Design: dual Ø In: 7 mm Ø Out: 6 mm Plug: 8JD 008 151-021
  	Application: WSS Power: 2 bar, 1 l/min Ø Housing: 35 mm Design: dual Ø In: 7 mm Ø Out: 6 mm Plug: 8JD 008 151-021
  	Application: WSS Power: 2 bar, 1 l/min Ø Housing: 35 mm Design: dual Ø In: 7 mm Ø Out: 6 mm Plug: AMP 828962
 	Application: WSS / SRA Power: 2 bar, 1 l/min Ø Housing: 35 mm Design: mano Ø In: 7 mm Ø Out: 6 mm Plug: vehicle-specific
 	Application: WSS Power: 2 bar, 1 l/min Ø Housing: 35 mm Design: mano Ø In: 7 mm Ø Out: 6 mm Plug: 8JD 008 151-021



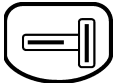
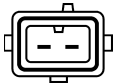
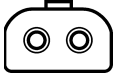
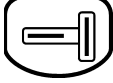
 	Short designation WSS = window cleaning / SRA = headlight cleaning Application: SRA Power: 2.5 bar, 7.2 l/min Ø Housing: 35 / 46 mm Design: mano Ø In: 10,5 mm Ø Out: 11 mm Plug: vehicle-specific
 	Application: WSS Power: 1 bar, 1.5 l/min Ø Housing: 30 mm Design: dual Ø In: 17 mm Ø Out: 5.5 mm Plug: vehicle-specific
 	Application: WSS Power: 1.5 bar, 1.9l/min Ø Housing: 37 mm Design: dual Ø In: 7.5 mm Ø Out: 6 mm Plug: vehicle-specific
 	Application: WSS Power: 2.5 bar, 2 l/min Ø Housing: 35 mm Design: dual Ø In: 6.5 mm Ø Out: 6 mm Plug: vehicle-specific
 	Application: WSS Power: 2 bar, 1 l/min Ø Housing: 30 mm Design: dual Ø In: 17 mm Ø Out: 5.5 mm Plug: vehicle-specific



Water Pumps

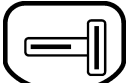
 	Short designation WSS = window cleaning / SRA = headlight cleaning Application: WSS Power: 1 bar, 1.5 l/min Ø Housing: 30 mm Design: mano Ø In: 17 mm Ø Out: 5.5 mm Plug: vehicle-specific
 	Application: WSS Power: 2.5 bar, 2 l/min Ø Housing: 35 mm Design: mano Ø In: 6.5 mm Ø Out: 6 mm Plug: vehicle-specific
 	Application: WSS / SRA Power: 2.5 bar, 2 l/min Ø Housing: 35 mm Design: mano Ø In: 6.5 mm Ø Out: 6 mm Plug: vehicle-specific
 	Application: WSS Power: 2 bar, 2.5 l/min Ø Housing: 34.5 mm Design: mano Ø In: 6.5 mm Ø Out: 6 mm
 	Application: WSS Power: 2.5 bar, 2 l/min Ø Housing: 37 mm Design: mano Ø In: 7 mm Ø Out: 4.8 mm Plug: vehicle-specific



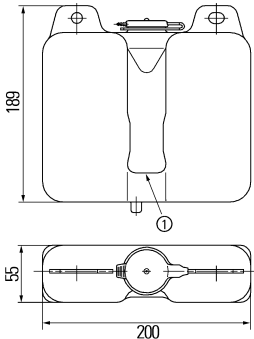
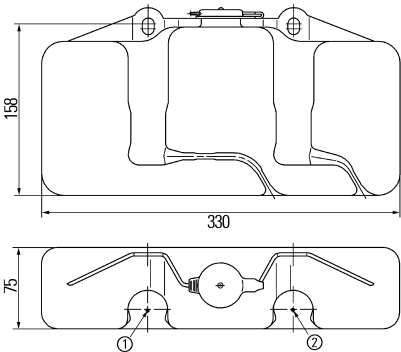
 	Short designation WSS = window cleaning / SRA = headlight cleaning Application: WSS / SRA Power: 1 bar, 2 l/min Ø Housing: 27.5 mm Design: mano Ø In: 17 mm Ø Out: 5.5 mm Plug: vehicle-specific
 	Application: WSS Power: 1 bar, 2 l/min Ø Housing: 30.5 mm Design: mano Ø In: 17 mm Ø Out: 5.5 mm Plug: vehicle-specific
 	Application: WSS Design: mano
 	Application: WSS Power: 1 bar, 1.5 l/min Ø Housing: 30 mm Design: mano Ø In: 17 mm Ø Out: 5.5 mm Plug: vehicle-specific
 	Application: SRA Power: 2.8 bar, 8 l/min Ø Housing: 35 mm Design: mano Ø In: 11.5 mm Ø Out: 9.2 mm (coupling) Plug: vehicle-specific



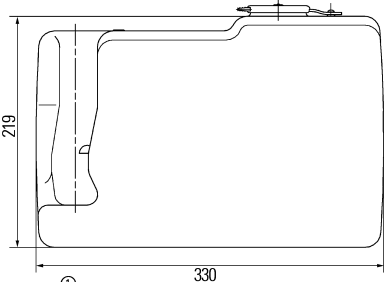
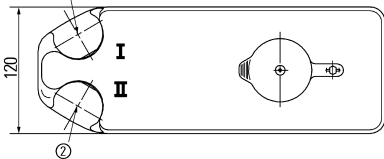
Water Pumps

 		Short designation WSS = window cleaning / SRA = headlight cleaning
8TW 006 849-021 Pk. 1	12V	Application: SRA Power: 2.8 bar, 8 l/min Ø Housing: 35 mm Design: mano Ø In: 11.5 mm Ø Out: 10 mm Plug: vehicle-specific
 		Application: SRA Power: 2.8 bar, 8 l/min Ø Housing: 35 mm Design: mano Ø In: 11.5 mm Ø Out: 9.5 mm (coupling) Plug: vehicle-specific
8TW 006 849-031 Pk. 1	12V	
 		Application: SRA Power: 3 bar, 8 l/min Ø Housing: 35 mm Design: mano Ø In: 11.5 mm Ø Out: 10 mm (coupling) Plug: vehicle-specific
8TW 006 849-051 Pk. 1	12V	
 		Application: SRA Power: 2.5 bar, 7.2 l/min Ø Housing: 35 / 46 mm Design: mano Ø In: 10.5 mm Ø Out: 11 mm Plug: 8JD 008 151-021
8TW 007 540-037 Pk. 32	24V	
 		Application: SRA Power: 2.5 bar, 7.2 l/min Ø Housing: 35 / 46 mm Design: mano Ø In: 10.5 mm Ø Out: 11 mm Plug: VAG: 1J0 973 722 A
8TW 007 540-141 Pk. 1	12V	

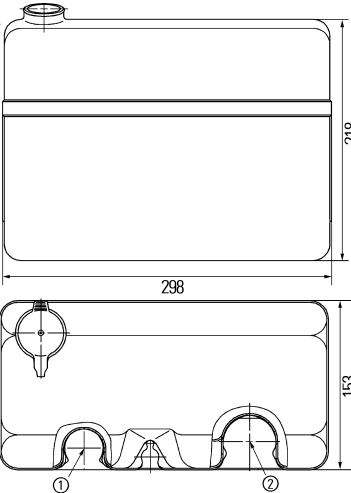
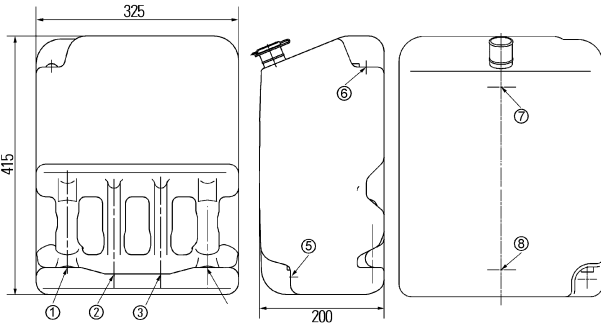


 	Part no.	Pk.	Water tanks
	8WB 003 248-001 8WB 003 248-007	1 50	Capacity: 1.5 l Pump holder position 1: 35 mm dia. hole position 1: 11 mm dia. hole Water tank, white, with bracket and pump, 12V
 	8TW 004 223-031 8WB 851 385-025	1 50	Spare parts: Pump, 12V Tank
	8BW 003 443-008 8TW 004 223-031 8BW 003 443-011 8TW 005 496-051 8HG 851 387-007	1 1 1 1 75	Capacity: 3.0 l Pump holder position 1, 2: 35 mm dia. hole position 1: 11 mm dia. hole position 2: closed Water tank, white, with pump, 12V Spare parts: Pump, 12V With pump, 24V Spare parts: Pump, 24V for -011 Accessories: Holder position 1: 11 mm dia. hole position 2: 11 mm dia. hole, grommet with stuff
	8BW 003 443-047 8TW 004 223-031 8BW 857 850-005	51 1 51	Water tank, white, with pump, 12V Spare parts: Pump, 12V Tank
	8BW 003 443-057 8TW 004 223-031 8BW 857 850-005	1 1 51	With 2 water pumps, 12V Spare parts: Pump, 12V Tank
	8BW 003 443-067 8TW 004 223-031 8BW 857 850-005	1 1 51	With pump, 24V Spare parts: Pump, 12V Tank

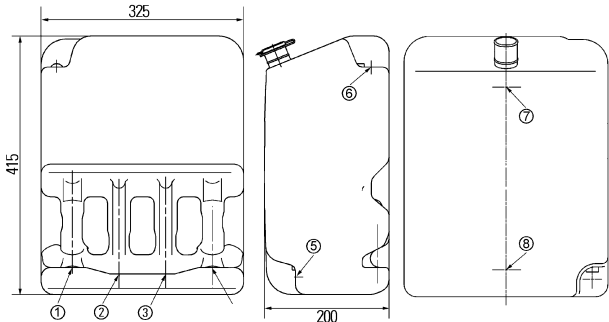


Part no.	Pk.	Water tanks
  		Capacity: 5 l Pump holder position 1, 2: 46 mm dia. hole position 1: 20 mm dia. hole, grommet position 2: closed
	8BW 860 169-007 28	Water tank, white, with lid and grommet, without pump
		Capacity: 8 l Pump holder position 1: 35 mm dia. hole position 2: 46 mm dia. hole position 1: 11 mm dia. hole position 2: 11 mm dia. hole, grommet with stuff
	8BW 003 966-047 24	Water tank, white, with pump, 12V
8TW 004 223-031 1		Spare parts: Pump, 12V
		position 1: 11 mm dia. hole position 2: 20 mm dia. hole, open
	8BW 003 966-007 24	With pump, 24V
8TW 005 496-051 1		Spare parts: Pump, 24V
		position 1: 11 mm dia. hole position 2: closed
	8BW 003 966-037 1	With pump, 24V
8TW 005 496-051 1		Spare parts: Pump, 24V
		position 1: 11 mm dia. hole position 2: 11 mm dia. hole, open
	8BW 003 966-057 1	With pump, 24V
8TW 005 496-051 1		Spare parts: Pump, 24V
		position 1: 11 mm dia. hole position 2: 20 mm dia. hole, grommet with stuff
	8BW 003 966-067 24	With pump, 24V
8TW 005 496-051 1		Spare parts: Pump, 24V



		Part no.	Pk.	Water tanks
				Capacity: 8 l Pump holder position 1: 35 mm dia. hole position 2: 46 mm dia. hole position 1: 11 mm dia. hole position 2: 11 mm dia. hole, with adapter Water tank, white, with 2 water pumps, 24V
		8BW 504 000-037	24	
		8TW 005 496-051	1	Spare parts: Pump, 24V
		9XD 856 165-005	100	Adapter (position 2)
				Capacity: 20 l Pump holder position 1-4: 35 mm dia. hole position 1: closed position 2: 11 mm dia. hole position 3: 11 mm dia. hole position 4: 20 mm dia. hole position 5-8: closed Water tank, black, with 3 water pumps, 24V
		8BW 007 757-007	20	
		8TW 005 496-051	1	Spare parts: Pump, 24V (position 2 and 3)
		8TW 004 764-041	1	Pump, 24V (position 4)
				 position 1: closed position 2: 11 mm dia. hole position 3: 11 mm dia. hole position 4-6: closed position 7-8: 11 mm dia. hole, level indication
		8BW 007 757-017	20	With 2 water pumps, 24V
		8TW 005 496-051	1	Spare parts: Pump, 24V (position 2 and 3)

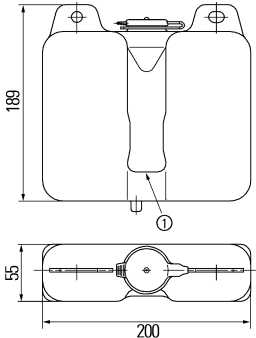
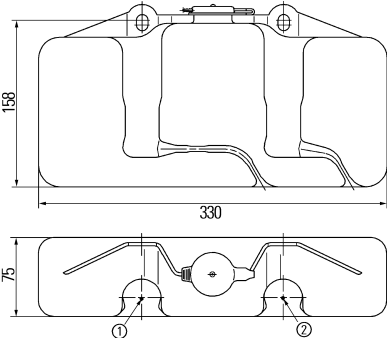
Part no.		Pk.	Water tanks
			Capacity: 20 l
			Pump holder
			position 1-4: 35 mm dia. hole
			position 1: closed
			position 2: 11 mm dia. hole
			position 3: 11 mm dia. hole
			position 4-8: closed
8BW 007 757-027		20	Water tank, black, with 2 water pumps, 24V
8TW 005 496-051		1	Spare parts: Pump, 24V (position 2 und 3)
			position 1: closed
			position 2: 11 mm dia. hole
			position 3: 11 mm dia. hole
			position 4: 20 mm dia. hole, grommet with stuff
			position 5-8: closed
8BW 007 757-037		20	With 2 water pumps, 24V
8TW 005 496-051		1	Spare parts: Pump, 24V (position 2 und 3)
			position 1: closed
			position 2: 11 mm dia. hole
			position 3: 11 mm dia. hole
			position 4: closed
			position 5: level control switch 6EZ 005 345-021
			position 6: 11 mm dia. hole, one-way valve
			position 7-8: 11 mm dia. hole, level indication
8BW 007 757-047		20	With 2 water pumps, 24V
8TW 005 496-051		1	Spare parts: Pump, 24V (position 2 und 3)
			position 1: closed
			position 2: 11 mm dia. hole
			position 3: 11 mm dia. hole
			position 4: closed
			position 5: level control switch 6EZ 005 345-021
			position 6: closed
			position 7-8: 11 mm dia. hole, level indication
8BW 007 757-057		20	Mit 2 water pumps, 24V
8TW 005 496-051		1	Spare parts: Pump, 24V (position 2 and 3)
			position 1: closed
			position 2: 11 mm dia. hole
			position 3-8: closed
8BW 007 757-067		20	With pump, 24V
8TW 005 496-051		1	Spare parts: Pump, 24V (position 2)



Application Combinations

Water Pumps / Water Tanks

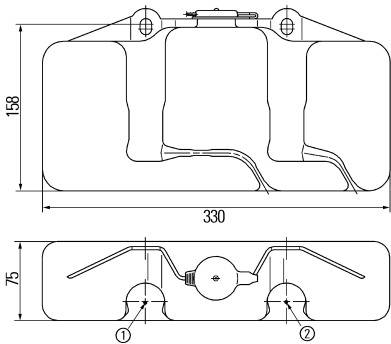


			
Water tank, 1.5 l 8WB 851 385-025		Water tanks, 3.0 l 8BW 003 443-047	
8BW 003 443-067		8BW 003 443-067	
Pump	Position	Position	Position
8TW 004 223-031	1. in conjunction with grommet 9GD 853 918-006	2. Plug not applicable	2. Plug not applicable
8TW 004 223-061	1. in conjunction with grommet 9GD 853 918-006	2. Plug not applicable	2. Plug not applicable
8TW 004 223-091	1. in conjunction with grommet 9GD 853 918-006		
8TW 004 764-041			
8TW 005 496-011	1. in conjunction with grommet 9GD 853 918-006		2. Plug not applicable
8TW 005 496-051	1. in conjunction with grommet 9GD 853 918-006		
8TW 005 206-011	1. in conjunction with grommet 9GD 853 918-006	2. Plug not applicable	2. Plug not applicable
8TW 005 206-031	1. in conjunction with grommet 9GD 853 918-006	2. Plug not applicable	2. Plug not applicable
8TW 005 206-051	1. in conjunction with grommet 9GD 853 918-006	2. Plug not applicable	2. Plug not applicable
8TW 004 764-021			
8TW 005 535-091			
8TW 007 540-037			
8TW 007 540-141			



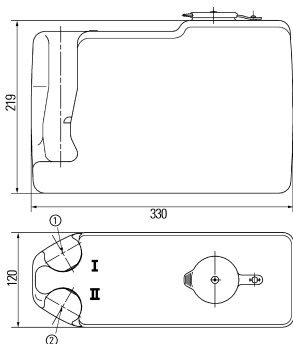
Application Combinations

Water Pumps / Water Tanks



Water tank, 3.0 l

8BW 857 850-005



Water tank, 5.0 l

8BW 850 169-007

Position

1./ 2. in conjunction with grommet
9GD 853 918-006

1./ 2. in conjunction with grommet
9GD 853 918-006

1./ 2. in conjunction with grommet
9GD 853 918-006

1./ 2. in conjunction with grommet
9GD 853 918-006

1./ 2. in conjunction with grommet
9GD 853 918-006

1./ 2. in conjunction with grommet
9GD 853 918-006

1./ 2. in conjunction with grommet
9GD 853 918-006

Position

1.

1.

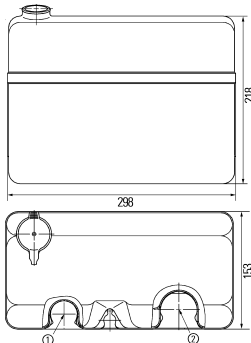
1.

1.

1.

Application Combinations

Water Pumps / Water Tanks

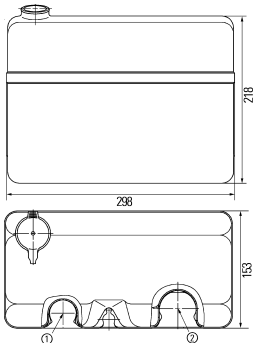


Water tanks, 8.0 l			
	8BW 003 966-007	8BW 003 966-047	8BW 003 966-057
Pump	Position	Position	Position
8TW 004 223-031		2. in conjunction with adapter ring 9XD 856 165-005	
8TW 004 223-061		2. in conjunction with adapter ring 9XD 856 165-005	
8TW 004 223-091			2. in conjunction with grommet 9GD 853 918-006
8TW 004 764-041	2. in conjunction with grommet 9GD 853 490-007		
8TW 005 496-011			
8TW 005 496-051			2. in conjunction with grommet 9GD 853 918-006
8TW 005 206-011		2. in conjunction with adapter ring 9XD 856 165-005	
8TW 005 206-031		2. in conjunction with adapter ring 9XD 856 165-005	
8TW 005 206-051		2. in conjunction with adapter ring 9XD 856 165-005	
8TW 004 764-021			
8TW 005 535-091			
8TW 007 540-037	2. in conjunction with adapter ring 9GD 853 490-007 and grommet 9XD 856 165-005		
8TW 007 540-141			



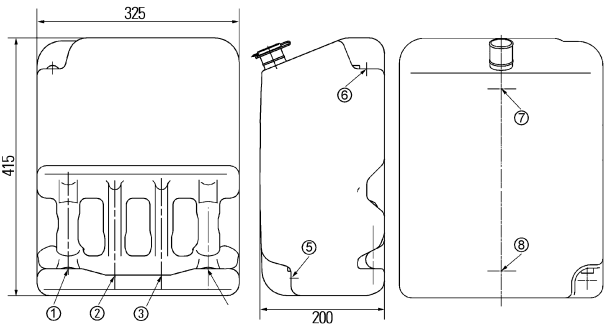
Application Combinations

Water Pumps / Water Tanks



Water tanks, 8.0 l

8BW 003 966-067



Water tank, 20.0 l

8BW 007 757-037

Position

2. Plug not applicable

2. in conjunction with adapter ring,
Plug not applicable
9XD 856 165-005

Position

4. Plug and adapter not applicable

4. Plug not applicable



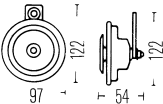
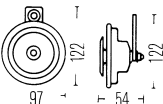
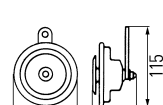
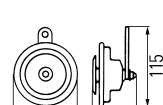
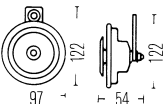
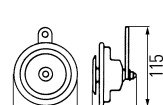
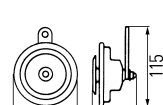
  	Part no.	Pk.	Headlight cleaning systems
			With pump, control unit incl. wiring harness, nozzles for cleaning 2 to 4 headlamps and fabric hose. For sports cars, tuned versions and motor homes etc.
	8WS 008 549-001	1	Headlight cleaning system with fixed nozzles, 12V
	8WS 008 549-501	1	24V
	8TW 007 540-211	1	Spare parts: Pump, 12V
	8TW 007 540-231	1	24V
	8WV 115 095-007	400	T-piece
	8WT 008 549-101	1	Headlight cleaning system with single telescopic nozzles, 12V
	8WT 008 549-601	1	24V
	8TW 007 540-211	1	Spare parts: Pump, 12V
	8TW 007 540-231	1	24V
	8WV 115 095-007	400	T-piece
	8WT 008 549-201	1	Headlight cleaning system with double telescopic nozzles, 12V
	8WT 008 549-701	1	24V
	8TW 007 540-211	1	Spare parts: Pump, 12V
	8TW 007 540-231	1	24V
	8WV 115 095-007	400	T-piece
	8TW 004 223-031	1	Accessories: Pump, 12V
	8TW 005 496-051	1	24V
	9GD 853 490-005	400	Grommet
	9GT 960 380-005	400	Plug
	6EZ 005 345-021	1	Level control switch
	9XD 856 165-005	100	Adapter
	9XL 564 781-002	50	Valve, window cleaning



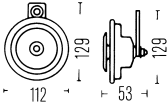
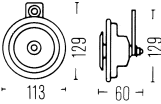
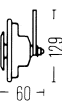
Buzzers	5.02, 5.06
Compressed air horns	5.09-5.10
Disc-type horns	5.05-5.06
Electric twin-tone horns	5.08
Reverse and warning alarm	5.03-5.04
Supertone horns	5.07

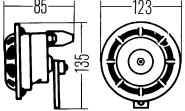
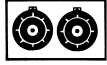
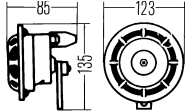
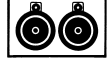
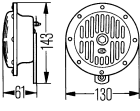
	Part no.	Pk.	
  			Reverse and warning alarm Black steel housing with integrated bracket for universal mounting. Acoustic pressure level generated by solid state electronic circuitry. Tested for electro-magnetic compatibility and to SAE standards. With protection against polarity reversal and voltage spikes. Operating temperature: -40 °C to +85 °C. Frequency: 60 signals per minute. Type of protection: IP5K9K, CE, SAE J994, e11. Voltage: 12V - 24V. Power requirement: 0.59A-0.71A Acoustic pressure level: 87-112dB(A) Frequency: 1200 Hz ± 20% Reverse and warning alarm with variable output level for automatic adaptation to surroundings. Solid state electronic circuitry automatically adjusts to at least 5dB(A) above ambient noise level. With 160 mm connection lead Voltage: 12V - 36V. Power requirement: 0.4A Acoustic pressure level: 107dB(A) Frequency: 1300 Hz ± 20% Reverse and warning alarm with 160 mm connection lead Voltage: 12V - 36V. Power requirement: 0.4A Acoustic pressure level: 112dB(A) Frequency: 1250 Hz ± 20% Reverse and warning alarm with 160 mm connection lead Voltage: 12V - 24V. Power requirement: 0.59A-0.71A Acoustic pressure level: 87-112dB(A) Frequency: 1200 Hz ± 20% Reverse and warning alarm with variable output level for automatic adaptation to surroundings. Solid state electronic circuitry automatically adjusts to at least 5dB(A) above ambient noise level. With 140 mm connection lead with DEUTSCH 2-pole plug connector
	3SL 996 139-001	1	
	3SL 996 139-101	1	
	3SL 996 139-111	4	
	3SL 996 139-202	18	

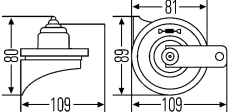
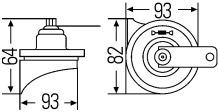
		Part no.	Pk.	Reverse and warning alarm	
				Black plastic housing. With integrated bracket for universal mounting. Acoustic pressure level generated by solid state electronic circuitry. Tested for electro-magnetic compatibility and to SAE standards. With protection against polarity reversal and voltage spikes. EPOXY encapsulated housing for protection against moisture, contamination and vibration. Can be cleaned with high pressure steam cleaners. Operating temperature: -40 °C to +85 °C. Frequency: 60 signals per minute: 1250 Hz ± 20%. Voltage: 12V - 24V Power requirement: 0.1A - 0.2A Acoustic pressure level: 90dB(A) With integrated AMP plug.	
			3SL 009 148-001	1	Reverse and warning alarm
					Voltage: 12V - 24V Power requirement: 0.3A - 0.4A Acoustic pressure level: 97dB(A) With integrated AMP plug.
			3SL 009 148-011	1	Reverse and warning alarm
					Voltage: 12V - 24V Power requirement: 0.6A - 0.7A Acoustic pressure level: 107dB(A) With integrated AMP plug.
			3SL 009 148-021	1	Reverse and warning alarm
					Voltage: 12V - 48V Power requirement: 0.1A Acoustic pressure level: 97dB(A) With integrated AMP plug.
			3SL 009 148-061	1	Reverse and warning alarm
			Voltage: 12V - 24V Power requirement: 0.5A - 0.7A Acoustic pressure level: 102/102dB(A) With connection cable.		
			3SL 009 148-071	1	Reverse and warning alarm with second tone for additional function
			Voltage: 12V - 24V Power requirement: 0.6A - 0.8A Acoustic pressure level: 82dB(A) - 102dB(A) With integrated AMP plug.		
			3SL 009 148-101	1	Reverse and warning alarm with variable output level for automatic adaptation to surroundings. Solid state electronic circuitry automatically adjusts to at least 5dB(A) above ambient noise level.
			9GH 993 984-001	1	Accessories: Rubber cap for AMP connector, 2-pin
			9GH 993 984-007	250	
			8KB 990 299-001	1	Wiring harness with AMP connector, 2-pin 2000 mm long

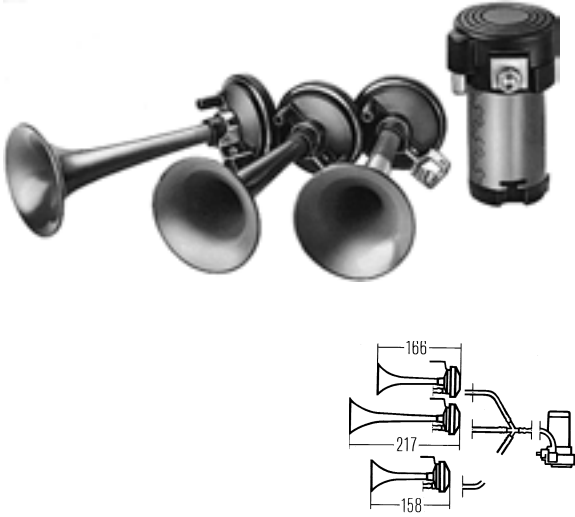
Part no.		Pk.	Disc-type-horns
			M 26 Galvanized metal body, black diaphragm, with blade terminal contacts. Bracket on horn for M8 fixing screw. Teflon seal protects against damp. Sound pressure level 2 m away: 115 dB(A). Power consumption: 66W per horn. Comprises: 2 disc-type horns
 		1	Disc-type horn set, 12V, 335/400 Hz
 		1	Disc-type horn, 12V, 400 Hz
		40	
 		1	12V, 335 Hz
		40	
		1	24V, 335 Hz, power consumption: 72W
		40	
			Special version for combines and other harvesting machines, continuous tone.
 		40	12V, 400 Hz, power consumption: 48W
			Black diaphragm. Bracket on horn with rivet nut for M8 fixing screw.
 		1	12V, 335 Hz, power consumption: 72W
			Galvanized metal body, black diaphragm. With protected blade type terminal contacts. Bracket on horn with rivet nut for M8 fixing screw. Teflon seal protects against damp. Sound pressure level 2 m away: 115 dB(A). Power consumption: 48W.
 		40	Disc-type horn, 12V, 400 Hz, continuous tone
			Bracket on horn for M8 fixing screw. Power consumption: 66W.
 		1	Disc-type horn, 12V, 400 Hz
			M 28 Black, galvanized metal body, black diaphragm, with blade terminal contacts. Bracket on horn for M10 fixing screw. Teflon seal protects against damp. Sound pressure level 2 m away: 110 dB(A). Power consumption: 72W.
 		40	Disc-type horn, 12V, 335 Hz



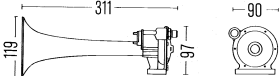
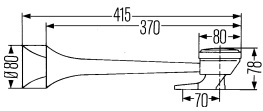
Part no.		Pk.	Disc-type-horns
  			B 36 Galvanized metal body, black diaphragm, with blade terminal contacts. Bracket on horn for M8 fixing screw. Sound pressure level 2 m away: 116 dB(A). Power consumption: 72W per horn. Comprises: 2 disc-type horns
		1	Disc-type horn set, 12V, 335/400 Hz
		1	Disc-type-horn, 12V, 335 Hz
		1	12V, 400 Hz
		1	24V, 335 Hz
		1	24V, 400 Hz
		24	
			Teflon seal protects against damp.
			Comprises: 2 disc-type horns
		1	Disc-type horn set, 12V, 335/400 Hz
  		1	Disc-type-horn, 12V, 335 Hz
		1	12V, 400 Hz
		1	24V, 335 Hz
		1	24V, 400 Hz
			For electric vehicles/alarm units. With protected blade terminal contacts. Bracket on horn for M10 fixing screw. Teflon seal protects against damp. Power consumption: 40W.
		1	Horn, 40V, 335 Hz
		1	80V, 335 Hz
			Buzzer Galvanized metal body, diaphragm grey. Screw-type connections. Bracket on horn for M8 fixing screw. Teflon seal protects against damp. Power consumption: 24W.
		1	Buzzer, 24V, 550 Hz

        	Part no.	Pk.	Supertone horns B 133 Black metal body, with blade terminal contacts, Bracket on horn for M10 fixing screw. Teflon seal protects against damp. Sound pressure level 2 m away: 118 dB(A). Comprises: 2 supertone horns 375/500 Hz Supertone horn-set, 12V, power consumption: 78W per horn 24V, power consumption: 84W per horn Supertone horn, 12V, 375 Hz, power consumption: 78W 12V, 500 Hz, power consumption: 78W 24V, 375 Hz, power consumption: 84W 24V, 500 Hz, power consumption: 84W Double supertonehorn-set, 12V, 300/500 Hz DL 50 Black metal body and red protective grille, with blade terminal contacts. Bracket on horn for M8 fixing screw. Sound pressure level 2 m away: 114 dB(A). Power consumption: 72W per horn. Comprises: 2 supertone horns 310 Hz/380 Hz Supertone horn-set, 12V, 310/380 Hz Supertone horn, 12V, 310 Hz 12V, 380 Hz 24V, 310 Hz 24V, 380 Hz
	3AG 003 399-081	1	
	3AG 003 399-101	1	
	3AF 003 399-041	1	
	3AF 003 399-051	1	
	3AF 003 399-061	1	
	3AF 003 399-071	1	
	3AG 003 399-801	1	
	3CB 004 811-042	1	
	3CA 004 811-001	1	
	3CA 004 811-011	1	
	3CA 004 811-021	1	
	3CA 004 811-031	1	

  	Part no.	Pk.	Electric twin-tone horns TE 16 Galvanized body and bracket. Trumpet made of red plastic. With blade terminal contacts. Bracket on horn for M8 fixing screw, capable of rotating 270°. Sound pressure level 2 m away: 110 dB(A). Power consumption: 72W per horn. Comprises: 2 horns Electric twin-tone horn set, 12V, 400/500 Hz with relay Electric twin-tone horn set, 12V, 400/500 Hz without relay Single horns, 12V, 400 Hz 12V, 500 Hz
	3FH 007 424-801	1	
	3FH 007 424-811	1	
	3FG 007 424-001	1	
	3FG 007 424-011	1	
  	3FH 007 728-811	1	Galvanized steel body. Trumpet made of black plastic. With blade terminal contacts. Bracket on horn for M8 fixing screw, capable of rotating 90°. Sound pressure level 2 m away: 110 dB(A). Comprises: 2 horns Electric twin-tone horn set, 12V, 400/500 Hz
	3FH 007 728-833	1	12V, 400/500 Hz, carded

Part no.	Pk.	Compressed-air horns
		For vehicles without compressed-air brake systems
		Comprises: 2 red horn trumpets, high performance compressor, tubing, relay and mounting brackets. Sound pressure level 2 m away: 118 dB(A). Power consumption: 240W. 840 Hz (trumpet 158 mm long), 795 Hz (trumpet 166 mm long).
		Twin-tone air horn set, 12V
3PB 003 001-603	1	
3PB 003 001-601	1	12V, carded
3PB 003 001-613	1	24V
3PB 003 001-611	1	24V, carded
		Comprises: 3 red horn trumpets, high performance compressor, tubing, relay and mounting brackets. 840 Hz (trumpet 158 mm long), 795 Hz (trumpet 166 mm long), 630 Hz (trumpet 217 mm long).
		Triple-tone air horn set, 12V
3PD 003 001-622	1	
3PD 003 001-621	1	12V, carded
		840 Hz (trumpet 158 mm long), 795 Hz (trumpet 166 mm long), 630 Hz (trumpet 217 mm long).
		Triple-tone air horn set, 12V, with change-over switch on compressor, for selecting melodical or triple-tone sound
3PD 003 001-981	1	



       	Part no.	Pk.	Compressed-air horns For vehicles with compressed-air brake systems. With compressed-air electrovalve, suitable for 10 mm dia. compressed air pipe. Tough die-cast housing. Grey plastic trumpet. 2 holes for M10 fixing screws. Sound pressure level 2 m away: 118 dB(A). Power consumption: 35W at 12V, 50W at 24V. Air pressure required: 6 - 8.3 bar. Compressed-air horn, 12V, 400 Hz 3PA 004 206-041 1 24V, 400 Hz 3PA 004 206-011 1 24V, 400 Hz, without approval 3PA 004 206-051 1 Suitable for 8 mm dia. compressed air pipe. Power consumption: 50W. 3PA 004 206-031 1 24V, 350 Hz Highway For vehicles with compressed-air brake systems. With 2 trumpets. Rustproof chrome housing with black base. Air pressure required: 4 - 8.5 bar. 300 Hz (trumpet 295 mm long), 320 Hz (trumpet 340 mm long). 3PB 005 411-001 1 Twin-tone compressed air horn Accessories The air horn can be operated in the following 3 ways: 9XL 715 989-001 1 Hand-operated valve mounted on roof of cab, operated by pull rod 120 cm length. 9XL 715 990-001 1 Foot-operated valve mounted on floor of cab 9XL 715 991-001 1 Electro valve, 24V mounted in engine compartment and operated via horn push button. Power consumption: 20W.
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Application chart
(indicating corresponding catalogue page)

- Trucks, transporters and buses
- Agricultural and construction machinery

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6.18-6.19

Mirror program
(for specific vehicles)

- Mercedes-Benz
- MAN
- Iveco
- Volvo, Scania, DAF
- Volkswagen
- Buses
- Agricultural and construction machinery
- Universal

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- Connecting cables
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Caravan mirror

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External Mirrors for Vans, Trucks and Buses

Auwärter E. - DAF



Manufacturer Model	Model year	Part no.	Pk.	see page	Manufacturer Model	Model year	Part no.	Pk.	see page
Auwärter E.					Büssing				
Buses		8SB 003 978-041 heated, 24V	1	6.23	Trucks to 7.5 t and over and buses, e.g. VÖV buses		8SB 002 993-001	1	6.33
		8SB 501 246-822 heated, 24V, left	1	6.43			8SB 002 405-001	1	6.59
		8SB 501 246-812 heated, 24V, right	1	6.43			8SB 002 405-011	1	6.59
		8SB 501 246-892 with wide-angle and door observation mirror, heated, 24V, right	1	6.43			8SB 002 991-182	1	6.60
					Caetano				
Eurostar SHD		8SB 501 246-892 heated, 24V, right	1	6.43	Buses		8SB 501 081-031 tinted	1	6.24
Avia					Carthago				
A 21 T, TF, TFC A 31 T-K, A 31 T-K, T-N, T-L, T-LL (Light-weight class)		8SB 501 156-021	1	6.32	Mobil homes		8SB 501 247-752 with wide-angle mirror, heated, 12V, hanging, left	1	6.44
		8SB 501 156-031 heated, 24V	1	6.32			8SB 501 247-742 with wide-angle mirror, heated, 12V, hanging, right	1	6.44
Berkhof					Concorde				
Buses		8SB 501 246-834 with wide-angle mirror, heated, 24V, left	1	6.43	Travel mobil		8SB 501 247-772 with wide-angle mirror, manually adjustable, heated, 12V, upright, left	1	6.45
		8SB 501 246-803 with wide-angle mirror, heated, 24V, right	1	6.43			8SB 501 247-782 with wide-angle mirror, manually adjustable, heated, 12V, upright, right	1	6.45
Buses		8SB 501 247-803 heated, 24V, upright, left	1	6.45	Travel mobil		8SB 501 247-895 heated, 12V, upright, left	1	6.45
Buses		8SB 501 247-842 heated, 24V, upright, right	1	6.45	Travel mobil		8SB 501 247-905 heated, 12V, upright, right	1	6.45
Bova					DAF				
Futura	82->86	8SB 003 978-041 heated, 24V	1	6.23	CF 65, CF 75, CF 85	01/01 ->	8SB 354 507-001 electrically adjustable, heated, 24V	1	6.39
Futura	86->92	8SB 501 081-041 tinted, heated, 24V	1	6.24	XF 95	09/02 ->	8SB 354 508-001 Wide-angle mirror, heated, 24V	1	6.39
Futura		8SB 501 246-834 with wide-angle mirror, heated, 24V, left	1	6.43					
		8SB 501 246-803 with wide-angle mirror, heated, 24V, right	1	6.43					



External Mirrors for Vans, Trucks and Buses

DAF - Faun



Manufacturer Model	Model year	Part no.	Pk.	see page	Manufacturer Model	Model year	Part no.	Pk.	see page
DAF					EvoBus				
CF 65, CF 75, CF 85	01/01->	Complies with the EU Directive 2003/97/EG and 2003/38/EG	1	6.39	Buses		8SB 501 325-012 manually adjustable heated, 24V	1	6.31
XF 95	09/02->						8SB 501 325-002 electrically adjustable, heated, 24V	1	6.31
75, 85, 95	07/92->				9MX 564 250-001 Wide-angle mirror glass, heated, 24V for conversion of wide-angle mirror			Combibus	
					8SB 501 401-822 left, heated, 24V, manually adjustable	1	6.53		
							8SB 501 403-802 right, heated, 24V, electrically adjustable	1	6.53
							8SB 501 403-822 right, heated, 24V, manually adjustable	1	6.53
					Citaro (O 530)	01/98->	8SB 501 401-802 left, heated, 24V, electrically adjustable	1	6.53
							8SB 501 401-822 left, heated, 24V, manually adjustable	1	6.53
							8SB 501 402-802 right, heated, 24V, electrically adjustable	1	6.53
							8SB 501 402-822 right, heated, 24V, manually adjustable	1	6.53
Drögmöller									
E 280 - E 440 (Travel coaches)		8SB 501 081-031 tinted	1	6.24					
E 280, E 290 E 320 (Europullmann) E 330 H (Eurocomet) E 330 K (Minicomet) E 420 E 430 U (Supercomet) E 440 (Meteor)		8SB 501 081-041 tinted, heated, 24V	1	6.24					
E 320 - E 430		8SB 501 246-892 heated, 24V, right	1	6.43					
E 320, E 330, K E 330-11,3, E 330 H E 330 H-11,3 E 430									
Buses		8SB 501 602-822 right, heated, 24V, with wide-angle mirror	1	6.42					
EOS									
Buses		8SB 501 602-812 with front end- and door observation mirror, heated, 24V, right	1	6.42					
		8SB 501 602-822 with front end-, door observation and wide-angle mirror, heated, 24V, right	1	6.42					
Buses		8SB 501 246-822 heated, 24V, left	1	6.43					
EvoBus									
Setra Van		8SB 501 247-803 heated, 24V, upright, left	1	6.45					
Buses		8SB 501 311-812 with front end observation mirror, heated, 24V, right	1	6.42					

					Faun				
Community service vehicles, skip lorries, e.g. D 35		8SB 003 290-001	1	6.34					
		8SB 003 290-011 heated, 24V	1	6.34					
Heavy lorries for trailers Goliath, Gigant, Herkules, Koloss		8SB 002 994-001	1	6.20					
		8SB 003 978-001	1	6.23					
Fire-fighting crane RTT 50-4		8SB 003 978-041 heated, 24V	1	6.23					



External Mirrors for Vans, Trucks and Buses

Fiat - Iveco



Manufacturer Model	Model year	Part no.	Pk.	see page	Manufacturer Model	Model year	Part no.	Pk.	see page
Fiat					Hymer				
see Iveco					Mobil homes		8SB 501 247-905 heated, 12V, upright, right	1	6.45
Hanomag-Henschel					Irisbus				
Small delivery vans and other trucks		8SB 002 997-001	1	6.62	Axer		8SB 501 403-802 right, heated, 24V, electrically adjustable	1	6.53
Construction machines		8SB 002 993-001	1	6.33	Irizar				
Hino					Century				
Trucks FD, FF, FG		8SB 003 978-001	1	6.23			8SB 501 246-803 with wide-angle mirror, heated, 24V, right	1	6.43
		8SB 501 147-021 Wide-angle mirror for mirror arms Ø 16 - 22 mm	1	6.35			8SB 501 602-812 with front end- and door observation mirror, heated, 24V, right	1	6.42
		8SB 501 147-031 Wide-angle mirror for mirror arms Ø 16 - 22 mm, heated, 24V	1	6.35			8SB 501 602-822 with front end-, door observation and wide-angle mirror, heated, 24V, right	1	6.42
Hymer					Iveco				
Mobil homes		8SB 501 156-021	1	6.32	Trucks		8SB 002 993-001	1	6.33
		8SB 501 156-031 heated, 24V	1	6.32	EuroCargo	9/00 ->03/06	Complies with the EU Directive 2003/97/EG and 2003/38/EG		
		8SB 501 358-082 electrically adjustable, heated, 12V	1	6.25	EuroStar	01/92 ->02/02			
		8SB 501 147-021 Wide-angle mirror for mirror arms Ø 16 - 22 mm	1	6.35	EuroTech	01/93 ->03/06			
		8SB 501 147-031 Wide-angle mirror for mirror arms Ø 16 - 22 mm, heated, 24V	1	6.35	EuroTrakker	01/93 ->11/04			
					Stralis	02/02->03/06		9MX 564 253-001 Wide-angle mirror glass, heated, 24V for conversion	1
Mobil homes		8SB 501 247-752 with wide-angle mirror, heated, 12V, hanging, left	1	6.44	EuroClass travel coach 380 HD, ND		8SB 501 247-803 heated, 24V, upright, left	1	6.45
		8SB 501 247-742 with wide-angle mirror, heated, 12V, hanging, right	1	6.44			8SB 501 246-892 with wide-angle and door observation mirror, heated, 24V, right	1	6.43
		8SB 501 247-792 with wide-angle mirror, heated, 24V, hanging, right	1	6.44	110-13 A - 130-16 AH (MK-series)		8SB 003 978-001	1	6.23
Mobil homes		8SB 501 247-895 heated, 12V, upright, left	1	6.45			8SB 003 978-041 heated, 24V	1	6.23



External Mirrors for Vans, Trucks and Buses

Iveco - MAN



Manufacturer Model	Model year	Part no.	Pk.	see page	Manufacturer Model	Model year	Part no.	Pk.	see page
Iveco					Krupp				
120-13 ANW - 340-34 AH (P/PA-series construction vehicles)		8SB 003 290-001	1	6.34	Trucks		8SB 003 290-001	1	6.34
		8SB 003 290-011 heated, 24V	1	6.34			8SB 003 290-011 heated, 24V	1	6.34
	160-17 - 340-34 AH Platform truck								
120-13 ANW - 330-36 HW Four-wheel-drive tipper					LAG				
					Buses		8SB 003 978-041 heated, 24V	1	6.23
Jonckheere					LIAZ				
Travel coaches Jubilee, Deauville		8SB 003 978-041 heated, 24V	1	6.23	18.33 TBV, 19.33 TBV (Heavy-weight class)		8SB 501 156-021	1	6.32
	Overland bus Neuilly	8SB 501 081-031 tinted	1	6.24			8SB 501 137-031 Safety manoeuvre mirror	1	6.35
	Route bus City 041 etc. travel coaches and route buses	8SB 501 081-041 tinted, heated, 24V	1	6.24		Liebherr			
Buses		8SB 501 325-032 electrically adjustable, heated, 12V	1	6.31	Vehicle cranes, e.g. 102 K slewing crane LTM 1040 - 3 telecrane LTM 1025 - LTM 1800 Automobile crane LTM 1120 (Progress 2000)		8SB 003 290-001	1	6.34
		8SB 501 325-012 manually adjustable heated, 24V	1	6.31			8SB 003 290-011 heated, 24V	1	6.34
		8SB 501 325-002 electrically adjustable, heated, 24V	1	6.31		LMC			
		8SB 501 602-812 with front end- and door observation mirror, heated, 24V, right	1	6.42	Travel mobil		8SB 501 247-895 heated, 12V, upright, left	1	6.45
		8SB 501 602-822 with front end-, door observation and wide-angle mirror, heated, 24V, right	1	6.42			8SB 501 247-905 heated, 12V, upright, right	1	6.45
						MAN			
					Buses		8SB 560 991-012	1	6.34
							8SB 560 991-041 heated, 24V	1	6.34
							8SB 002 990-001	1	6.33
							8SB 003 978-001	1	6.32
							8SB 003 978-041 heated, 24V	1	6.32
							8SB 501 081-031 tinted	1	6.24
							8SB 501 602-812 with front end- and door observation mirror, heated, 24V, right	1	6.42
							8SB 501 602-822 with front end-, door observation and wide-angle mirror, heated, 24V, right	1	6.42
Kässbohrer									
Setra S 210 - S 250		8SB 003 978-001	1	6.23					
S 210 H, HI Travel coach		8SB 003 978-041 heated, 24V	1	6.23					
S 213 UL									
S 215 HDH/NR, S 216 HDS		8SB 501 081-031 tinted	1	6.24					
Super double-decker									
S 219 SL urban route articulated bus		8SB 501 081-041 tinted, heated, 24V	1	6.24					
S 228 DT double-decker travel coach									
S 250 Special Regional, overland route bus									
					Buses		8SB 501 247-822 with wide-angle mirror, heated, 24V, hanging, left	1	6.44



External Mirrors for Vans, Trucks and Buses



Manufacturer Model	Model year	Part no.	Pk.	see page	Manufacturer Model	Model year	Part no.	Pk.	see page
MAN					MAN				
Buses		8SB 501 311-842 with front end- and door observation mirror, heated, 24V, right	1	6.42	10.136 F, 10.150 F (G, G 90)	10/79 ->09/93	8SB 560 991-012 8SB 560 991-041 heated, 24V 8SB 501 137-031 Safety manoeuvre mirror	1 1 1	6.34 6.34 6.35
ÜL 313/353		8SB 501 247-812 heated, 24V, hanging, left	1	6.44					
Solarisbuses		8SB 501 325-012 manually adjustable heated, 24V	1	6.31	11.136 - 38.320	10/75->	8SB 003 290-001 8SB 003 290-011 heated, 24V	1 1	6.34 6.34
Route buses City NG 263, NG 313 NL 263 NM 223, NM 313 NÜ 263		8SB 501 325-002 electrically adjustable, heated, 24V	1	6.31					
		8SB 501 325-032 electrically adjustable, heated, 12V	1	6.31	12.152 - 24.272 (M 90)	08/88 ->	8SB 501 156-021 8SB 501 156-031 heated, 24V 8SB 501 147-021 Wide-angle mirror for mirror arms Ø 16 - 22 mm 8SB 501 147-031 Wide-angle mirror for mirror arms Ø 16 - 22 mm, heated, 24V	1 1 1 1	6.32 6.32 6.35 6.35
ÜL 313/353		8SB 501 246-812 heated, 24V, right	1	6.43					
Lions Star FRH 322, FRH 372, FRH 422		8SB 501 247-803 heated, 24V, upright, left	1	6.45	19.242 - 48.502 (F 90)	08/88->09/94	8SB 501 156-021 8SB 501 156-031 heated, 24V 8SB 501 147-021 Wide-angle mirror for mirror arms Ø 16 - 22 mm 8SB 501 147-031 Wide-angle mirror for mirror arms Ø 16 - 22 mm, heated, 24V 8SB 501 137-031 Safety manoeuvre mirror	1 1 1 1 1	6.32 6.32 6.35 6.35 6.35
Trucks F-types	70->	8SB 002 990-001	1	6.33					
Trucks to 7.5 t		8SB 002 993-001	1	6.33					
Trucks		8SB 002 991-001	1	6.56					
		8SB 501 081-031 tinted	1	6.24					
8.113 - 10.224 (L 2000)	10/93->	8SB 501 325-012 manually adjustable heated, 24V	1	6.31	19.293 - 48.603 (F 2000)	10/94->	8SB 501 325-012 manually adjustable heated, 24V 8SB 501 325-002 electrically adjustable, heated, 24V 8SB 501 325-032 electrically adjustable, heated, 12V	1 1 1	6.31 6.31 6.31
		8SB 501 325-002 electrically adjustable, heated, 24V	1	6.31					
		8SB 501 325-032 electrically adjustable, heated, 12V	1	6.31					



External Mirrors for Vans, Trucks and Buses
MAN - Mercedes-Benz



Manufacturer Model	Model year	Part no.	Pk.	see page	Manufacturer Model	Model year	Part no.	Pk.	see page
MAN					MAN				
7.150 - 12.240 (TGL)	04/05->	8SB 354 504-011	1	6.30	7.150 - 12.240 (TGL)	04/05 ->	Complies with the EU Directive 2003/97/EG and 2003/38/EG		
12.240 - 26.330 (TGM)	10/05->	electrically adjustable, heated, 24V, left (RH traffic)			12.240 - 26.330 (TGM)	10/05->			
18.310 - 41.660 (TGA)	03/00->				18.310 - 41.660 (TGA)	03/00->			
		8SB 354 504-021	1	6.30			9MX 863 847-011	1	6.30
		electrically adjustable, heated, 24V, right (RH traffic)					Ramp mirror glass, heated, 24V, left/right		
		8SB 354 505-011	1	6.30			for conversion of ramp mirror 8SB 354 509-001		
		Wide-angle mirror, electrically adjustable, heated, 24V, left			MAN/VW				
		8SB 354 505-021	1	6.30	6.90 F - 9.150 F (G, G 90-series)	10/79 ->09/93	8SB 560 991-012	1	6.34
		Wide-angle mirror, electrically adjustable, heated, 24V, right					8SB 560 991-041	1	6.34
		8SB 354 509-001	1	6.30			8SB 501 137-031	1	6.35
		Ramp mirror, electrically adjustable, heated, 24V					Safety manoeuvre mirror		
					Mannesmann-Demag				
7.150 - 12.240 (TGL)	04/05->	Complies with the EU Directive 2003/97/EG and 2003/38/EG			Construction machines automobile cranes, e.g. AC 615, AC 1600, CT 40, TC 3600, TC 3800, TC/PC 4200 CC		8SB 003 290-001	1	6.34
12.240 - 26.330 (TGM)	10/05->								
18.310 - 41.660 (TGA)	03/00->								
		9MX 564 249-001	1	6.30	Mercedes-Benz				
		Mirror glass with heating element, 24V, left/right			Older truck models		8SB 002 995-011	1	6.24
		for conversion of external mirror 8SB 354 504-011 and -021					black		
							8SB 002 995-001	1	6.24
							grey		
7.150 - 12.240 (TGL)	04/05->	Complies with the EU Directive 2003/97/EG and 2003/38/EG			Trucks				
12.240 - 26.330 (TGM)	10/05->						8SB 002 991-001	1	6.60
18.310 - 41.660 (TGA)	03/00->						8SB 002 993-001	1	6.33
		9MX 863 839-011	1	6.30					
		Wide-angle mirror glass, heated, 24V, left/right							
		for conversion of external mirror 8SB 354 505-011 and -021							

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External Mirrors for Vans, Trucks and Buses
Mercedes-Benz



Manufacturer Model	Model year	Part no.	Pk.	see page	Manufacturer Model	Model year	Part no.	Pk.	see page
Mercedes-Benz					Mercedes-Benz				
Atego I	01/98->09/04	Complies with the EU Directive 2003/97/EG and 2003/38/EG			Atego II	10/04->	Mirror head, mirror glass and mounting element will be ordered and delivered separately		
		9MX 564 235-031 Mirror glass with heating element, 24V, convex	1	6.27			8SB 507 046-001 Mirror head, manually adjustable, heated, 24V	1	6.27
		for conversion of external mirror 8SB 507 046-001 and -011					8SB 507 046-011 Mirror head, electrically adjustable, heated, 24V	1	6.27
							9MX 564 235-011 Mirror glass with heating element, 24V, convex	1	6.27
Atego I	01/98->09/04	Complies with the EU Directive 2003/97/EG and 2003/38/EG					8SB 507 045-001 Wide-angle mirror head, heated, 24V, right	1	6.27
		8SB 507 052-001 Front mirror, with mirror arm, heated, 24V	1	6.29			9MX 564 235-001 Wide-angle mirror glass, heated, 24V, highly convex	1	6.27
							9HD 564 236-001 Mounting element incl. cover	1	6.27
Atego I	01/98->09/04	Complies with the EU Directive 2003/97/EG and 2003/38/EG							
		9MX 564 235-021 Wide-angle mirror glass, heated, 24V, highly convex	1	6.27					
		for conversion of wide-angle mirror 8SB 507 045-001							
Atego I	01/98->09/04	Complies with the EU Directive 2003/97/EG and 2003/38/EG							
		8SB 507 049-001 Ramp mirror	1	6.29					



External Mirrors for Vans, Trucks and Buses

Mercedes-Benz



Manufacturer Model	Model year	Part no.	Pk.	see page	Manufacturer Model	Model year	Part no.	Pk.	see page
Mercedes-Benz					Mercedes-Benz				
Atego II	10/04->	Complies with the EU Directive 2003/97/EG and 2003/38/EG			Axor I	09/01->09/04	Mirror head, mirror glass and mounting element will be ordered and delivered separately		
		8SB 507 053-001 manually adjustable heated, 24V, left	1	6.28			8SB 507 046-001 Mirror head, manually adjustable, heated, 24V	1	6.27
		8SB 507 053-011 manually adjustable heated, 24V, right	1	6.28			8SB 507 046-011 Mirror head, electrically adjustable, heated, 24V	1	6.27
		8SB 507 054-001 electrically adjustable, heated, 24V, left	1	6.28			9MX 564 235-011 Mirror glass with heating element, 24V, convex	1	6.27
		8SB 507 054-011 electrically adjustable, heated, 24V, right	1	6.28			8SB 507 045-001 Wide-angle mirror head, heated, 24V, right	1	6.27
		8SB 507 056-001 Front mirror, with mirror arm, heated, 24V	1	6.29			9MX 564 235-001 Wide-angle mirror glass, heated, 24V, highly convex	1	6.27
		8SB 507 055-001 Wide-angle mirror, manually adjustable, left/right	1	6.28			9HD 564 236-001 Mounting element incl. cover	1	6.27
Atego II	10/04->	Complies with the EU Directive 2003/97/EG and 2003/38/EG			Axor I	09/01->09/04	Complies with the EU Directive 2003/97/EG and 2003/38/EG		
		8SB 507 056-001 Front mirror, with mirror arm, heated, 24V	1	6.29			9MX 564 235-031 Mirror glass with heating element, 24V, convex for conversion of external mirror 8SB 507 046-001 and -011	1	6.27
Atego II	06/07->	Complies with the EU Directive 2003/97/EG and 2003/38/EG			Axor I	09/01->09/04	Complies with the EU Directive 2003/97/EG and 2003/38/EG		
		8SB 507 060-001 Ramp mirror, manually adjustable, left/right	1	6.29			8SB 507 052-001 Front mirror, with mirror arm, heated, 24V	1	6.29



External Mirrors for Vans, Trucks and Buses
Mercedes-Benz



Manufacturer Model	Model year	Part no.	Pk.	see page	Manufacturer Model	Model year	Part no.	Pk.	see page
Mercedes-Benz					Mercedes-Benz				
Axor I	09/01->09/04	Complies with the EU Directive 2003/97/EG and 2003/38/EG			Axor II	10/04->	Complies with the EU Directive 2003/97/EG and 2003/38/EG		
		9MX 564 235-021 Wide-angle mirror glass, heated, 24V, highly convex for conversion of wide-angle mirror 8SB 507 045-001	1	6.27			8SB 507 053-001 manually adjustable heated, 24V, left	1	6.28
Axor I	09/01->09/04	Complies with the EU Directive 2003/97/EG and 2003/38/EG			Axor II	10/04->	8SB 507 053-011 manually adjustable heated, 24V, right	1	6.28
		8SB 507 049-001 Ramp mirror	1	6.29			8SB 507 054-001 electrically adjustable, heated, 24V, left	1	6.28
Axor II	10/04->	Mirror head, mirror glass and mounting element will be ordered and delivered separately			Axor II	10/04 ->	8SB 507 054-011 electrically adjustable, heated, 24V, right	1	6.28
		8SB 507 046-001 Mirror head, manually adjustable, heated, 24V	1	6.27			8SB 507 056-001 Front mirror, with mirror arm, heated, 24V	1	6.29
		8SB 507 046-011 Mirror head, electrically adjustable, heated, 24V	1	6.27			8SB 507 055-001 Wide-angle mirror, manually adjustable, left/right	1	6.28
		9MX 564 235-011 Mirror glass with heating element, 24V, convex	1	6.27			Complies with the EU Directive 2003/97/EG and 2003/38/EG		
		8SB 507 045-001 Wide-angle mirror head, heated, 24V, right	1	6.27			8SB 507 056-001 Front mirror, with mirror arm, heated, 24V	1	6.29
		9MX 564 235-001 Wide-angle mirror glass, heated, 24V, highly convex	1	6.27			Complies with the EU Directive 2003/97/EG and 2003/38/EG		
		9HD 564 236-001 Mounting element incl. cover	1	6.27			8SB 507 060-001 Ramp mirror, manually adjustable, left/right	1	6.29



External Mirrors for Vans, Trucks and Buses

Mercedes-Benz



Manufacturer Model	Model year	Part no.	Pk.	see page	Manufacturer Model	Model year	Part no.	Pk.	see page
Mercedes-Benz					Mercedes-Benz				
Econic	01/98->	Mirror head, mirror glass and mounting element will be ordered and delivered separately			Econic	01/98->05/07	Complies with the EU Directive 2003/97/EG and 2003/38/EG		
		8SB 507 044-001 Mirror head, heated, 24V, left	1	6.26			8SB 507 049-001 Ramp mirror	1	6.29
		8SB 507 044-011 Mirror head, electrically adjustable, heated, 24V, left	1	6.26	L 206 - L 307 (T1-series)	->04/77	8SB 003 609-061	1	6.22
		9MX 564 234-001 Mirror glass with heating element, 24V, convex	1	6.26	LP 608 - LP 1113 (LP-series)	01/79->	8SB 003 614-001	1	6.22
		9HD 564 236-001 Mounting element incl. cover	1	6.26			8SB 003 614-081 heated, 12V	1	6.22
		8SB 507 045-001 Wide-angle mirror head, heated, 24V, right	1	6.27			8SB 003 614-011 heated, 24V	1	6.22
		9MX 564 235-001 Wide-angle mirror glass, heated, 24V, highly convex	1	6.27			8SB 003 978-001	1	6.23
		9HD 564 236-001 Mounting element incl. cover	1	6.27			8SB 003 978-041 heated, 24V	1	6.23
		Route buses and travel coaches, etc. O 303/10 RHS, O 303/14 RHD, O 402, O 404, O 405 N/G	8SB 002 995-001 grey	1			6.24		
			8SB 003 614-001	1	6.22				
8SB 003 614-081 heated, 12V	1		6.22						
8SB 003 614-011 heated, 24V	1		6.22						
8SB 003 978-001	1		6.23						
Sprinter Van (1980 mm vehicle width)	02/95->	8SB 507 042-001 manually adjustable, left	1	6.25					
		8SB 507 043-001 manually adjustable, right	1	6.25					
		8SB 507 042-011 electrically adjustable, heated, 12V, left	1	6.25					
		8SB 507 043-011 electrically adjustable, heated, 12V, right	1	6.25					
Unimog 403 - 421	->06/78	8SB 002 994-001	1	6.20					
Unimog 425, 435	07/78->	8SB 003 290-001	1	6.34					



External Mirrors for Vans, Trucks and Buses
Mercedes-Benz - Mitsubishi



Manufacturer Model	Model year	Part no.	Pk.	see page	Manufacturer Model	Model year	Part no.	Pk.	see page
Mercedes-Benz					Mercedes-Benz				
Unimog		8SB 501 358-002 manually adjustable	1	6.25	207 D - 410 (T1, TN-series)	08/81 ->02/95	8SB 004 288-001 for mirror arm Ø 10 mm	1	6.21
		8SB 501 358-012 manually adjustable heated, 12V	1	6.25			8SB 004 288-092 for mirror arm Ø 18 mm	1	6.21
		8SB 501 358-032 manually adjustable heated, 24V	1	6.25			8SB 004 288-103 heated, 12V, for mirror arm Ø 10 mm	1	6.21
		8SB 501 359-002 Wide-angle mirror, manually adjustable	1	6.25	230 G - 300 GD (W 460)	05/79 ->	8SB 003 609-061	1	6.21
		8SB 501 359-012 Wide-angle mirror, manually adjustable, heated, 12V	1	6.25	507 D - 814 D (T2, LN1-series)	01/86 ->	8SB 003 614-001	1	6.22
		8SB 501 359-022 Wide-angle mirror, manually adjustable, heated, 24V	1	6.25			8SB 003 614-081 heated, 12V	1	6.22
Vario	10/96->				709 - 1524 (LK, LN2-series)	03/84->	8SB 003 614-011 heated, 24V	1	6.22
							8SB 003 978-001	1	6.23
							8SB 003 978-041 heated, 24V	1	6.23
		8SB 501 358-002 manually adjustable	1	6.25	1013 - 2632 (NG)	01/79 ->	8SB 003 978-001	1	6.23
		8SB 501 358-012 manually adjustable heated, 12V	1	6.25			8SB 003 978-041 heated, 24V	1	6.23
		8SB 501 358-082 electrically adjustable, heated, 12V	1	6.25	1422 - 2633 (NG)	01/80->	8SB 501 081-031 tinted	1	6.24
		8SB 501 358-032 manually adjustable heated, 24V	1	6.25			8SB 501 081-041 tinted, heated, 24V	1	6.24
		8SB 501 359-002 Wide-angle mirror, manually adjustable	1	6.25			8SB 501 081-082 with aspherical mirror glass, heated, 24V	1	6.24
		8SB 501 359-012 Wide-angle mirror, manually adjustable, heated, 12V	1	6.25	1222 - 2534 (MK) 1729 - 4850 (SK)		8SB 501 274-001 für driver's side, manually adjustable, heated, 24V, left	1	6.26
		8SB 501 359-022 Wide-angle mirror, manually adjustable, heated, 24V	1	6.25			8SB 501 273-001 for passenger's side, electrically adjustable, heated, 24V, right	1	6.26
207 D - 308 (T1, TN-series)	05/77->07/81	8SB 003 609-061	1	6.21	Mitsubishi				
Canter FE 306, FE 331, FE 334, FE 444, FB 436							8SB 002 995-011 black	1	6.24



External Mirrors for Vans, Trucks and Buses

Mitsubishi - ÖAF



Manufacturer Model	Model year	Part no.	Pk.	see page	Manufacturer Model	Model year	Part no.	Pk.	see page
Mitsubishi					Neoplan				
Canter 8.5t	94->	8SB 501 147-003 Wide-angle mirror	1	6.35	Buses, etc. Jetliner N, H, SHD Transliner, K, Ü, L, SHD		8SB 501 246-822 heated, 24V, left	1	6.43
Pajero		8SB 003 609-061	1	6.21			8SB 501 246-812 heated, 24V, right	1	6.43
		8SB 003 614-091	1	6.22			8SB 501 246-834 with wide-angle mirror, heated, 24V, left	1	6.43
F 415, FH 100, FK 315		8SB 560 991-012	1	6.34			8SB 501 246-803 with wide-angle mirror, heated, 24V, right	1	6.43
		8SB 560 991-041 heated, 24V	1	6.34			8SB 501 246-892 with wide-angle and door observation mirror, heated, 24V, right	1	6.43
FK 455, FP 418, FU 418, FU 515, FV 438		8SB 003 290-001	1	6.34					
Neoplan					Buses Centroliner Cityliner N, H Skyliner Spaceliner Starliner		8SB 501 247-812 heated, 24V, hanging, left	1	6.44
Buses, etc. Cityliner N 116 Spaceliner N 117/3 Skyliner N 122/3 Jetliner N 208 Airport service bus N 940 Metroliner N 4008 Low-platform busses N 4009, N 4021 SG, Transliner K	74->	8SB 003 290-011 heated, 24V	1	6.34	Buses Cityliner Skyliner Starliner Spaceliner		8SB 501 311-812 with front end observation mirror, heated, 24V, right	1	6.42
		8SB 003 978-001	1	6.23			8SB 501 311-842 with front end- and door observation mirror, heated, 24V, right	1	6.42
		8SB 003 978-041 heated, 24V	1	6.23	Buses		8SB 501 247-842 heated, 24V, upright, right	1	6.45
		8SB 501 156-031 heated, 24V	1	6.32	Nissan				
		8SB 501 190-082 electrically adjustable, heated, 24V	1	6.57	Patrol		8SB 004 288-001 Mirror arm Ø 10 mm	1	6.21
		8SB 501 191-202 electrically adjustable, heated, 24V	1	6.57	O&K				
Buses Cityliner N, H Jetliner N, H, SHD Megaligner Skyliner Spaceliner Transliner, K, Ü, L, SHD		8SB 501 247-803 heated, 24V, upright, left	1	6.45	see Faun				
		8SB 501 602-812 with front end- and door observation mirror, heated, 24V, right	1	6.42	ÖAF				
		8SB 501 602-822 with front end-, door observation and wide-angle mirror, heated, 24V, right	1	6.42	Special vehicles and buses, etc. ÜH 290 M 12, 41.332 VFAH, 48.700 VFAS		8SB 501 156-021	1	6.32
							8SB 501 156-031 heated, 24V	1	6.32
							8SB 003 290-001	1	6.36
					various trucks		8SB 003 290-011 heated, 24V	1	6.36



External Mirrors for Vans, Trucks and Buses
RMB - Volkswagen



Manufacturer Model	Model year	Part no.	Pk.	see page
RMB				
Buses		8SB 501 247-872 heated, 12V, hanging, left	1	6.44
Saurer				
Trucks		8SB 003 290-001	1	6.34
Scania				
Buses		8SB 501 247-803 heated, 24V, upright, left	1	6.45
		8SB 501 311-842 with front end- and door observation mirror, heated, 24V, right	1	6.42
124, 144 (series 4)	09/95->09/04	9MX 564 242-001 Mirror glass for external mirror	1	6.37
		9MX 564 243-001 Mirror glass for external mirror, heated, 24V	1	6.37
		9MX 564 244-001 Wide-angle mirror glass, heated, 24V	1	6.37
Trucks		8SB 003 978-001	1	6.37
		8SB 003 978-041 heated, 24V	1	6.37
Sisu				
Trucks	06/85->	8SB 003 290-001	1	6.36
Steyr				
230 G - 300 GD (W 460)	05/79->	8SB 003 609-061	1	6.21
9 S - 17 S	01/86->	8SB 501 081-031 tinted	1	6.24
19 S - 40 S	10/87->	8SB 003 978-001	1	6.23
1291		8SB 003 978-041 heated, 24V	1	6.23
Temsa				
Buses		8SB 501 246-822 heated, 24V, left	1	6.43
Van Hool				
Acron, Alizee, Astromega, Astron		8SB 003 978-001	1	6.23
		8SB 003 978-041 heated, 24V	1	6.23

Manufacturer Model	Model year	Part no.	Pk.	see page
Van Hool				
Buses		8SB 501 081-031 tinted	1	6.24
		8SB 501 602-812 with front end- and door observation mirror, heated, 24V, right	1	6.42
		8SB 501 602-822 with front end- door observation and wide-angle mirror, heated, 24V, right	1	6.42
Buses		8SB 501 246-812 heated, 24V, right	1	6.43
Buses		8SB 501 247-803 heated, 24V, hanging, left	1	6.45
Buses		8SB 501 247-812 heated, 24V, hanging, left	1	6.44
Buses		8SB 501 311-812 with front end observation mirror, heated, 24V, right	1	6.42
VARIOmobil				
Travel mobil		8SB 501 247-882 heated, 12V, hanging, right	1	6.44
Vetter				
Buses		8SB 003 290-011 heated, 24V	1	6.34
Volkswagen				
LT I all models with M-equipment LT I 35 D - 45 D	04/75 ->	8SB 002 995-011 black	1	6.24
LT I 50 D LT I 28	08/83-> 90->	8SB 560 991-012	1	6.34
		8SB 560 991-041 heated, 24V	1	6.34
		8SB 501 045-002	1	6.39
		8SB 501 045-012 heated, 12V	1	6.39
Transporter (T2)		8SB 002 407-001	1	6.41
		8SB 002 407-011	1	6.41



External Mirrors for Vans, Trucks and Buses

Volkswagen - Volvo



Manufacturer Model	Model year	Part no.	Pk.	see page	Manufacturer Model	Model year	Part no.	Pk.	see page
Volkswagen					Volvo				
Transporter (T4) Bus, Van	09/90->04/03	8SB 507 047-001 plane, left	1	6.40	FH 12, FH 16 FM 10, FM 12	08/93 ->12/01 08/98 ->12/01	8SB 354 506-801 External mirror set incl. mirror arm, electrically adjustable, heated, 24V, left (RH traffic)	1	6.38
		8SB 507 047-011 convex, left	1	6.40					
		8SB 507 048-001 convex, right	1	6.40					
Transporter (T4) Flatbed	09/90->04/03	9EY 562 033-003 Mirror glass, convex	1	6.40			8SB 354 506-811 External mirror set incl. mirror arm, electrically adjustable, heated, 24V, right (RH traffic)	1	6.38
Volvo									
Buses		8SB 501 602-812 with front end- and door observation mirror, heated, 24V, right	1	6.42					
		8SB 501 602-822 with front end-, door observation and wide-angle mirror, heated, 24V, right	1	6.42					
Buses		8SB 501 246-822 heated, 24V, left	1	6.43					
		8SB 501 246-892 with wide-angle and door observation mirror, heated, 24V, right	1	6.43					
Trucks		8SB 003 978-001	1	6.37					
		8SB 003 978-041 heated, 24V	1	6.37					
F 7, F 10, F 12, F 16	12/77->	8SB 003 290-001	1	6.36					
		8SB 003 290-011 heated, 24V	1	6.36					
FH 12, FH 16	08/93->12/01	9MX 564 214-012 Mirror glass for external mirror, convex	1	6.38					
		9MX 564 215-012 Mirror glass for external mirror, heated, 24V, convex	1	6.38					



External Mirrors for Tractors and Cranes

Atlas-Weyhausen - Hanomag-Henschel



Manufacturer Model	Model year	Part no.	Pk.	see page	Manufacturer Model	Model year	Part no.	Pk.	see page
Atlas-Weyhausen					Dieteg				
Wheel excavator		8SB 002 990-001	1	6.59	Tractors-, forklifts- and other cabs		8SB 002 997-001	1	6.62
AK 6002 T (telemast crane)		8SB 003 290-001	1	6.34			8SB 003 290-001	1	6.34
6500 M CTU (Loading/salvaging crane)		8SB 002 997-001	1	6.62			8SB 560 991-012	1	6.34
							8SB 002 407-001	1	6.41
							8SB 002 995-001	1	6.24
Case IH							8SB 002 995-011	1	6.24
Tractors		8SB 501 263-003	1	6.56	Eicher				
733 - 933 XL (B-series)		8SB 002 995-011	1	6.24	Tractors and agricultural machines		8SB 560 991-012	1	6.34
V 2120 - E 2150 (2100-series)		8SB 002 405-001	1	6.59			8SB 002 994-001	1	6.20
1640 - 9000 (Combine harvester)		8SB 002 405-001	1	6.59	Wotan 3108, 3125, 3145				
Caterpillar					656 PB, PBA 666 PB, PBA 680 PAB				
Construction machines		8SB 501 263-003	1	6.56	Fendt				
Telescope loader		8SB 501 156-021	1	6.32	Tractors		8SB 002 991-001	1	6.56
		8SB 501 156-031 heated, 24V	1	6.32			8SB 002 991-182	1	6.56
		8SB 501 147-003 Wide-angle mirror	1	6.35	Farmer 102 - 105 S				
Claas							8SB 002 994-001	1	6.20
Combine harvester		8SB 002 991-001	1	6.60	Farmer 200 S - 280 P				
Mannesmann-Demag							8SB 002 997-001	1	6.62
Construction machines automobile cranes, e.g. AC 615, AC 1600, CT 40, TC 3600, TC 3800, TC/PC 4200 CC		8SB 003 290-001	1	6.34			8SB 003 290-001	1	6.34
Deutz-Fahr					Farmer 304 LS - 312 LSA				
Tractors		8SB 002 991-001	1	6.56			8SB 003 290-001	1	6.35
Tractors		8SB 501 263-003	1	6.56	Favorit 600 LS - 626 LS				
DX 3.10 - DX 3.70 with variable cab		8SB 002 994-001	1	6.20			8SB 002 994-001	1	6.20
DX 35 - DX 160		8SB 002 997-001	1	6.62			8SB 003 290-001	1	6.35
		8SB 002 991-182	1	6.56	F 231 GT - F 275 KGT				
		8SB 002 991-001	1	6.56			8SB 002 994-001	1	6.20
Dieteg					F 345 GT - F 395 GHA				
Cabs for tractors		8SB 002 994-001	1	6.20			8SB 003 290-001	1	6.34
					Fritzmeier				
					Cabs for tractors		8SB 002 994-001	1	6.20
					533-833 (Combi-Cab)		8SB 002 994-001	1	6.20
					1350-2650 (Multi-Cab)				
					533/633 (Cab M 711)		8SB 002 997-001	1	6.62
					1350-2450 (Cab M 782)				
					Hanomag-Henschel				
					Construction machines		8SB 002 993-001	1	6.33



Manufacturer Model	Model year	Part no.	Pk.	see page
JCB				
Tractors		8SB 501 263-003	1	6.56
Mauser				
Cabs for tractors		8SB 004 288-001	1	6.21
		8SB 002 994-001	1	6.20
		8SB 003 609-061	1	6.21
Massey-Ferguson				
3000 - 3090		8SB 002 997-001	1	6.62
		8SB 002 994-001	1	6.20
135 - 185		8SB 002 994-001	1	6.20
Peco				
Cabs for tractors		8SB 002 994-001	1	6.20
Same				
Tractors		8SB 501 263-003	1	6.56
Scharwächter				
Cabs for tractors		8SB 002 994-001	1	6.20
Sennebogen				
Construction machines		8SB 501 263-003	1	6.56
Sirocco				
Cabs for tractors		8SB 002 994-001	1	6.20
Steyr				
Tractors		8SB 002 991-001	1	6.56
		8SB 002 991-182	1	6.56
		8SB 501 263-003	1	6.56
Zetor				
Tractors 5211 - 16145		8SB 002 993-001	1	6.33
Zettelmeyer				
Wheeled loader		8SB 003 290-001	1	6.34

	Part no.	Pk.	Mercedes-Benz Unimog 403, 408, 421, Eicher, Faun, tractors with Dieteg-, Fritzmeier-, Peco-, Scharwächter- and Sirocco-cabines
			Steel mirror head with black Durocoat finish. Mirror head: 265 x 160 mm. Mirror glass: 255 x 156 mm. Radius of curvature: 1400 mm. Mounted on 10 mm dia. arms.
	8SB 002 994-001	1	External mirror
	9EY 117 127-001	2	Spare parts: Mirror glass
			Safety manoeuvre mirror for mounting on the passenger side of the vehicle
			Black plastic mirror head. Mirror head: 241 x 158 mm. Mirror glass: 233 x 148 mm. Radius of curvature: 800 mm. Adjustable by means of rotating ball support. With bracket and mounting flange for the passenger door pillar.
	8SB 002 995-041	1	Safety manoeuvre mirror
	8SB 002 995-031	1	Spare parts: Mirror head



 	Part no.	Pk.	Mercedes-Benz 207D - 208 (T1, TN-series) 5/77->7/81, Cross-country vehicles (G-series), Mitsubishi, Steyr Black plastic mirror head. Mirror head: 210 x 138 mm. Mirror glass: 198 x 129 mm. Radius of curvature: 1400 mm. Mounted on 10 mm dia. arm.
	8SB 003 609-061	1	External mirror
	Without approval		
	8SB 003 609-011	1	External mirror
	Mercedes-Benz 207 D - 410 (T1, TN-series) 8/81->2/95 Black plastic mirror head. Mirror head: 244 x 157 mm. Mirror glass: 236 x 146 mm. Radius of curvature: 2100 mm.		
	8SB 004 288-001	1	External mirror mounted on 10 mm dia. arm
	8SB 004 288-092	1	mounted on 18 mm dia. arm
	Mounted on 10 mm dia. arm.		
	8SB 004 288-103	1	External mirror heated, 12V
	8KA 003 806-001	1	Accessories: Connecting cable with 2-pole plug, 2000 mm long

 	Part no.	Pk.	Mercedes-Benz LP 608 - 1113 1/79->
			Black plastic mirror head. Mirror head: 305 x 184 mm. Mirror glass: 292 x 170 mm. Radius of curvature: 2200 mm. Monted on 18/22 mm dia. arm.
	8SB 003 614-001	1	External mirror without fixing material
	9EY 122 979-001	2	Spare parts: Mirror glass
	8SB 003 614-081	1	External mirror, heated, 12V, without fixing material
	8SB 003 614-011	1	heated, 24V, without fixing material
	9MX 127 586-001	1	Spare parts: Mirror glass with heating element for -011
	9MX 127 586-032	1	for -081
	8KA 003 806-001	1	Accessories: Connecting cable with 2-pole plug, 2000 mm long
	8HS 562 691-002	1	Fixing material for mirror arm 18/22 mm dia.
			Mitsubishi Pajero
			Mounted on vehicle-side mirror arm.
	8SB 003 614-091	1	External mirror, without fixing material
	9EY 122 979-001	2	Spare parts: Mirror glass

	Part no.	Pk.	Mercedes-Benz 1013-2632 (NG) 1/79->, MAN, Iveco, Neoplan, Kässbohrer, Hino, Steyr and Van Hool Black plastic mirror head. Mirror head: 367 x 182 mm. Mirror glass: 355,5 x 169,5 mm. Radius of curvature: 2100 mm. Mounted on 18/22 mm dia. arm. Complies with the EU Directive 2003/97
	8SB 003 978-001	1	External mirror without fixing material
	9EY 125 314-001	1	Spare parts: Mirror glass
	Mercedes-Benz 1013-2632 (NG) 1/79->, MAN, Iveco, Neoplan, Kässbohrer, Bova, Jonckheere, LAG, Steyr and Van Hool Radius of curvature: 2200 mm.		
	8SB 003 978-041	1	External mirror, heated, 24V, without fixing material
	9MX 127 585-002	1	Spare parts: Mirror glass with heating element
	8KA 003 806-001	1	Accessories: Connecting cable with 2-pole plug, 2000 mm long
	8HS 562 691-002	1	Fixing material for mirror arm 18/22 mm dia.



Part no.	Pk.	Mercedes-Benz 1422-2633 (NG) 1/80->, MAN and buses from Van Hool, Caetano and others Black plastic mirror head. Mirror head: 422 x 200 mm. Mirror glass: 408 x 186 mm. Radius of curvature: 2200 mm. Mounted on 18 mm dia. arm. Complies with the EU Directive 2003/97 External mirror, tinted, with fixing material Spare parts: Mirror glass
8SB 501 081-031	1	
9EY 561 445-001	1	
Mercedes-Benz and Bova buses External mirror, tinted, heated, 24V, without mounting hardware and fixing material Spare parts: Mirror glass with heating element		
8SB 501 081-041	1	
9MX 561 449-001	1	
8KA 003 806-001	1	Accessories: Connecting cable with 2-pole plug, 2000 mm long
8HS 562 691-002	1	Fixing material for mirror arm 18/22 mm dia.
Mercedes-Benz Two-part mirror head, with aspherical glass. Mirror head: 422 x 200 mm. Mirror glass: 408 x 186 mm. Radius of curvature: 1800 mm. Mounted on 18/22 mm dia. arm. Complies with the EU Directive 2003/97 External mirror heated, 24V, with fixing material		
8SB 501 081-082	1	
Mercedes-Benz trucks older models Mirror head: 246 x 158 mm. Mirror glass: 241 x 150 mm. Radius of curvature: 2200 mm. External mirror with grey plastic mirror head and hexagonal nut mount		
8SB 002 995-001	1	
Mercedes-Benz, Case International, Mitsubishi and VW External mirror with black plastic mirror head and round nut mount		
8SB 002 995-011	1	

 	Part no.	Pk.	Mercedes-Benz Sprinter Van (1980 mm vehicle width) Black plastic mirror head. Mirror head: 283 x 177 mm. Mirror glass: 238 x 142 mm. Radius of curvature: 2000 mm. Mounted to integrated special bracket/clip. External mirror, manually adjustable, left External mirror, manually adjustable, right electrically adjustable, heated, 12V, left electrically adjustable, heated, 12V, right
	8SB 507 042-001	1	
	8SB 507 043-001	1	
	8SB 507 042-011	1	
	8SB 507 043-011	1	
	Mercedes-Benz Transporter Vario/Unimog Black plastic mirror head. Mirror head: 336 x 195 mm. Mirror glass: 315 x 174 mm. Radius of curvature: 1800 mm. Mounted on 22 mm dia. arm. External mirror manually adjustable manually adjustable, heated, 12V electrically adjustable, heated, 12V manually adjustable, heated, 24V Spare parts: Mirror glass assembly for -002 Mirror glass assembly with heating element, 12V Mirror glass assembly with heating element, 24V		
	8SB 501 358-002	1	
	8SB 501 358-012	1	
	8SB 501 358-082	1	
	8SB 501 358-032	1	
	9MX 563 709-012	1	
	9MX 563 716-022	1	
	9MX 563 716-032	1	
  	Mercedes-Benz Transporter Vario/Unimog Black plastic mirror head. Mirror head: 195 x 189 mm. Mirror glass: 174 x 169 mm. Radius of curvature: 450 mm. Mounted on 22 mm dia. arm. Wide-angle mirror manually adjustable manually adjustable, heated, 12V manually adjustable, heated, 24V Spare parts: Mirror glass assembly for -002 Mirror glass assembly with heating element, 24V		
	8SB 501 359-002	1	
	8SB 501 359-012	1	
	8SB 501 359-022	1	
	9MX 563 710-012	1	
	9MX 563 717-032	1	

  	Part no.	Pk.	Mercedes-Benz 1222-2534 (MK), 1729-4850 (SK) Black plastic mirror head. Mirror head: 440 x 184 mm. Mirror glass: 427 x 169 mm. Radius of curvature: 2000 mm. Mounted on 28 mm dia. arm. External mirror for driver's side, manually adjustable, heated, 24V, (RH traffic), left for passenger's side, electrically adjustable, heated, 24V, (RH traffic), right Spare parts: Mirror glass for original MB-mirror Mirror glass with heating element
	8SB 501 274-001	1	
	8SB 501 273-001	1	
	9EY 563 168-001	5	
	9MX 563 167-001	5	
   			Mercedes-Benz Actros 09/96->10/02, Actros MP2 10/02-> Black plastic mirror head. Mirror head: 433 x 188 mm. Mirror glass: 433 x 188 mm. Radius of curvature: 2000 mm. Mounted on 28 mm dia. arm. Mirror head, -glass and holding element are not supplied. Mirror head, without glass, manually adjustable, heated, 24V Mirror head, without glass, electrically adjustable, heated, 24V Mirror glass with heating element, 24V, convex Mirror glass with heating element, 24V, convex. Radius of curvature: 1200 mm. For conversion to the EU Directive 2003/97 and 2003/38 Holding element incl. cap 74 x 65 mm
	8SB 507 044-001	1	
	8SB 507 044-011	1	
	9MX 564 234-001	1	
	9MX 564 234-011	1	
	9HD 564 236-001	1	

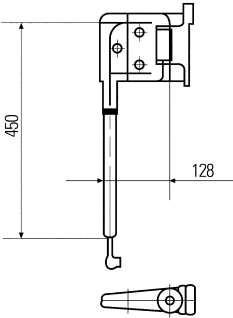
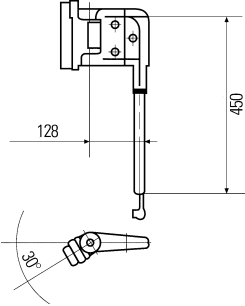
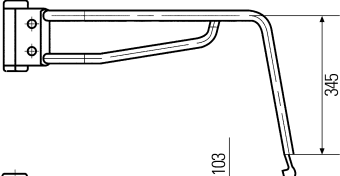
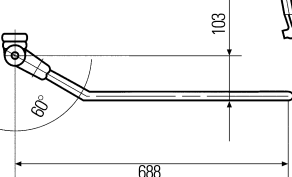
  	Part no.	Pk.	Mercedes-Benz Actros 09/96->10/02, Actros MP2 10/02->, Atego I 01/98->09/04, Atego II 10/04->, Axor 01/02-> Black plastic mirror head. Mirror head: 200 x 200 mm. Mirror glass: 200 x 200 mm. Radius of curvature: 450 mm. Mounted on 28 mm dia. arm. Mirror head, -glass and holding element are not supplied. Wide-angle mirror head without glass, heated, 24V Wide-angle mirror glass, heated, 24V, highly convex Wide-angle mirror glass, heated, 24V. Radius of curvature: 300 mm. For conversion to the EU Directive 2003/97 and 2003/38 Holding element incl. cap 74 x 65 mm
	8SB 507 045-001	1	
	9MX 564 235-001	1	
	9MX 564 235-021	1	
	9HD 564 236-001	1	
			Mercedes-Benz Atego I 01/98->09/04, Atego II 10/04->, Axor 01/02-> Black plastic mirror head. Mirror head: 380 x 170 mm. Mirror glass: 378 x 168 mm. Radius of curvature: 2000 mm. Mounted on 28 mm dia. arm. Mirror head, -glass and holding element are not supplied. Mirror head without glass, manually adjustable, heated, 24V Mirror head without glass, electrically adjustable, heated, 24V Mirror glass with heating element, 24V, convex Mirror glass with heating element, 24V, convex. Radius of curvature: 1200 mm. For conversion to the EU Directive 2003/97 and 2003/38 Holding element incl. cap, 74 x 65 mm
	8SB 507 046-001	1	
	8SB 507 046-011	1	
	9MX 564 235-011	1	
	9MX 564 235-031	1	
	9HD 564 236-001	1	
  			

		Part no.	Pk.	Mercedes-Benz Atego II 10/04->, Axor II 10/04-> Black plastic mirror head. Mirror head: 200 x 200 mm. Mirror glass: 200 x 200 mm. Radius of curvature: 300 mm. Mounted on 28 mm dia. arm. Complies with the EU Directive 2003/97 and 2003/38
		8SB 507 055-001	1	Wide-angle mirror, heated, 24V
		9MX 564 248-001	1	Spare parts: Mirror glass with heating element, 24V
		9HD 564 236-011	1	Accessories; Fastening hardware
		8SB 507 053-001	1	Mercedes-Benz Atego II 10/04->, Axor II 10/04-> Black plastic mirror head. Mirror head: 435 x 215 x 129 mm. Mirror glass: 431 x 186 mm. Radius of curvature: 1200 mm. Mounted on 28 mm dia. arm. Complies with the EU Directive 2003/97 and 2003/38 Mirror head, manually adjustable, heated, 24V, left
		8SB 507 053-011	1	right
		8SB 507 054-001	1	Mirror head, electrically adjustable, heated, 24V, left
		8SB 507 054-011	1	right
		9MX 564 247-001	1	Spare parts: Mirror glass with heating element, 24V
		9HD 564 236-011	1	Accessories; Fastening hardware



Part no.	Pk.	
		MB Actros I 9/96->5/07, Atego I 1/98->9/04, Axor 9/01->9/04, Econic 3/98->5/07 Mirror head: 298 x 158 mm. Radius of curvature: 300 mm. Complies with the EU Directive 2003/97 and 2003/38
8SB 507 049-001	1	Ramp mirror, manually adjustable
9MX 564 245-001	1	Spare parts: Mirror glass
		MB Axor II 06/07->, Atego II 06/07-> Mirror head: 293 x 153 mm. Radius of curvature: 300 mm. Complies with the EU Directive 2003/97 and 2003/38
8SB 507 060-001	1	Ramp mirror, manually adjustable
		MB Actros I 9/96->9/04, Actros II 10/04-> Mirror glass: Ø 250 mm. Radius of curvature: 300 mm. With 150 mm cable and 2-pole plug. Complies with the EU Directive 2003/97 and 2003/38
8SB 507 050-001	1	Front mirror, heated, 24V
9MX 564 246-001	1	Spare parts: Mirror glass with heating element, 24V
		MB Axor I 1/98->9/04, Atego I 1/98->9/04 Mirror glass: Ø 250 mm. Radius of curvature: 300 mm. With 800 mm cable. Complies with the EU Directive 2003/97 and 2003/38
8SB 507 052-001	1	Front mirror, heated, 24V
9MX 564 246-001	1	Spare parts: Mirror glass with heating element, 24V
		MB Axor II 10/04->, Atego II 10/04-> Mirror glass: Ø 250 mm. Radius of curvature: 300 mm. Complies with the EU Directive 2003/97 and 2003/38
8SB 507 056-001	1	Front mirror, heated, 24V

		Part no.	Pk.	MAN TGA 03/00->
				Black plastic mirror head. Mirror head: 399 x 207 mm, left. Mirror head: 399 x 222 mm, right. Mirror glass: 379 x 176 mm. Radius of curvature: 2000 mm. Mounted on 28 mm dia. arm.
		8SB 354 504-011	1	External mirror, electrically adjustable, heated, 24V, left
		8SB 354 504-021	1	right
				Spare parts: Mirror head with heating element, 24V, left
		9MX 863 837-001	1	right
		9MX 863 838-001	1	Mirror head with heating element, 24V. Radius of curvature: 1200 mm. For conversion to the EU Directive 2003/97 and 2003/38, left and right
		9MX 564 249-001	1	Cap, left
		9HB 863 835-001	1	right
		9HB 863 836-001	1	
				Black plastic mirror head. Mirror head: 188 x 207 mm, left. Mirror head: 188 x 220 mm, right. Mirror glass: 177 x 176 mm. Radius of curvature: 450 mm. Mounted on 28 mm dia. arm.
		8SB 354 505-011	1	Wide-angle mirror, electrically adjustable, heated, 24V, left
		8SB 354 505-021	1	right
				Spare parts: Mirror glass with heating element, 24V
		9MX 863 848-001	1	Mirror head with heating element, 24V. Radius of curvature: 300 mm. For conversion to the EU Directive 2003/97 and 2003/38
		9MX 863 839-011	1	Cap, left
		9HB 863 839-001	1	right
		9HB 863 840-001	1	
				Black plastic mirror head. Mirror head: 324 x 185 mm. Mirror glass: 324 x 185 mm. Radius of curvature: 450 mm. Mounted to door frame.
		8SB 354 509-001	1	Ramp mirror, electrically adjustable, heated, 24V
				Spare parts: Mirror glass with heating element, 24V
		9MX 863 847-001	1	Mirror head with heating element, 24V. Radius of curvature: 300 mm. For conversion to the EU Directive 2003/97 and 2003/38
		9MX 863 847-011	1	

      	Part no.	Pk.	MAN F 2000, L 2000 9/94->, Jonckheere, EvoBus, Mobile homes MAN buses for public transport and solar buses Black plastic mirror head. with removable cap on back. Mirror head: 383 x 206 mm. Mirror glass: 371 x 197 mm. Radius of curvature: 2100 mm. Mounted on 22 mm dia. arm. External mirror, electrically adjustable, heated, 12V 8SB 501 325-032 1 8SB 501 325-012 1 manually adjustable, heated, 24V 8SB 501 325-002 1 electrically adjustable, heated, 24V Spare parts: Mirror glass carrier assembly for -012/-002, 24V Cap Accessories for MAN buses for public transport and solar buses: Mirror arm with 6-pin round plug, left 8HG 503 009-022 1 8HG 503 009-082 1 with 6-pin round plug, without intermediate plate, right 8HG 503 019-012 1 right, with 2-pin intermediate plug 8HG 503 019-022 1 with 6-pin intermediate plug
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 	 	Part no.	Pk.	MAN 19.242 - 48.502 (F 90-series) 1/87->, 12.152-24.272 (M 90-series) 8/88->9/94, Neoplan, LIAZ, ÖAF, Van Hool, Hymer and Caterpillars Teleportas Black plastic mirror head. Mirror head: 375.5 x 186.5 mm. Mirror glass: 364 x 175 mm. Radius of curvature: 2200 mm. Mounted on 15/20 mm dia. arm. 8SB 501 156-021 1 External mirror 8SB 501 156-031 1 heated, 24V Spare parts: Mirror glass for -021 Mirror glass with heating element for -031 Accessories: Connecting cable with 2-pole plug, 1150 mm long
		9EY 120 010-001	5	
		9MX 561 891-001	1	
		8KA 500 218-002	1	
				MAN, Mercedes-Benz, Iveco, Neoplan, Den Oudsten, Hainje, Hino, Steyr and Van Hool Black plastic mirror head. Mirror head: 367 x 182 mm. Mirror glass: 355.5 x 169.5 mm. Radius of curvature: 2100 mm. Mounted on 18 mm dia. arm. Complies with the EU Directive 2003/97 8SB 003 978-001 1 External mirror, without fixing material Spare parts: Mirror glass 9EY 125 314-001 1 MAN, Mercedes-Benz, Iveco, Neoplan, Bova, Den Oudsten, Hainje, Jonckheere, LAG, Steyr and Van Hool Radius of curvature: 2200 mm. 8SB 003 978-041 1 External mirror, heated, 24V, without fixing material Spare parts: Mirror glass with heating element 9MX 127 585-002 2 Accessories: Connecting cable with 2-pole plug, 2000 mm long 8KA 003 806-001 1 Fixing material for mirror arm 18/22 mm dia. 8HS 562 691-002 1

	Part no.	Pk.	MAN F-series 70-> and buses Grey, steel mirror head with Durocoat finish. Mirror head: 420 x 220 mm. Mirror glass: 410 x 210 mm. Radius of curvature: 1400 mm. Mounted on 18 mm dia. arm. Without approval
	8SB 002 990-001	1	External mirror Spare parts: Mirror glass
			MAN trucks up to 7,5t, Mercedes-Benz and Iveco Grey, steel mirror head with Durocoat finish. Mirror head: 260 x 180 mm. Mirror glass: 250 x 170 mm. Radius of curvature: 1400 mm. Mounted on 15 mm dia. arm. Without approval
	8SB 002 993-001	1	External mirror Spare parts: Mirror glass

 	Part no.	Pk.	MAN 10.136, 10.150 (G, G 90-series) 10/79->9/93, MAN/VW 6.90 F - 9.150 F (G, G 90-series) 10/79->9/93, Mitsubishi, Volkswagen and buses Black plastic mirror head. Mirror head: 320 x 186 mm. Mirror glass: 312.5 x 180 mm. Radius of curvature: 2200 mm. Mounted on 16/18 mm dia. arm. Complies with the EU Directive 2003/97
	8SB 560 991-012	1	External mirror
	8SB 560 991-041	1	heated, 24V Spare parts: Mirror glass for -012 Mirror glass with heating element for -041
	9EY 561 042-002	1	
	9MX 561 044-002	1	
 	8KA 560 271-002	1	Accessories: Connecting cable with 2-pole plug, 2000 mm long
			MAN 11.136 - 38.320 10/75->, Mercedes-Benz, Faun, Iveco, Krupp, Liebherr, Mitsubishi, ÖAF, Sisu, Saurer, Volvo and Zettelmeyer Black plastic mirror head. Mirror head: 382 x 187 mm. Mirror glass: 364 x 175 mm. Radius of curvature: 2100 mm. Mounted on 14/18 mm dia. arm. Complies with the EU Directive 2003/97
	8SB 003 290-001	1	External mirror
	9EY 120 010-001	5	Spare parts: Mirror glass
			Neoplan, Iveco, Liebherr and Vetter Adapted, can also be used for same commercial vehicles as mirror 8SB 003 290-001. Mounted on 16/18 mm dia. arm.
	8SB 003 290-011	1	External mirror, heated, 24V Spare parts: Mirror glass with heating element
	9MX 560 096-002	5	
	8KA 560 271-002	1	Accessories: Connecting cable with 2-pole plug, 2000 mm long

	Part no.	Pk.	MAN G, G 90-series and all trucks over 7.5 t Black plastic mirror head. Mirror head: 247 x 157 mm. Mirror glass: 245 x 155 mm. Radius of curvature: 450 mm. With universal bracket for passenger door pillar.
	8SB 501 137-031	1	Approach mirror
	8SB 501 137-001	1	Spare parts: Mirror head
 	8SB 501 147-021	1	MAN M 90 and F 90-series 8/88->9/94 Black plastic mirror head. Mirror head: 211 x 161 mm. Mirror glass: 200 x 150 mm. Radius of curvature: 450 mm. Wide-angle mirror mounted on 16/22 mm dia. arm
	8SB 501 147-031	1	heated, 24V, mounted on 16/22 mm dia. arm
	9EY 561 814-001	1	Spare parts: Mirror glass for -021
	9MX 561 890-001	1	Mirror glass with heating element for -031
	8KA 500 218-002	1	Accessories: Connecting cable with 2-pole plug, 1500 mm long
	8SB 501 147-003	1	Mitsubishi Wide-angle mirror mounted on 18/22 mm dia. arm
	9EY 561 814-001	1	Spare parts: Mirror glass

 	Part no.	Pk.	Iveco, MAN, Mercedes-Benz, Neoplan, Den Oudsten, Hainje, Hino, Steyr and Van Hool Black plastic mirror head. Mirror head: 367 x 182 mm. Mirror glass: 355.5 x 169.5 mm. Radius of curvature: 2100 mm. Mounted on 18/22 mm dia. arm. Complies with the EU Directive 2003/97
	8SB 003 978-001	1	External mirror without fixing material
	9EY 125 314-001	1	Spare parts: Mirror glass
	Iveco, MAN, Mercedes-Benz, Neoplan, Bova, Den Oudsten, Hainje, Jonckheere, LAG, Steyr and Van Hool Radius of curvature: 2200 mm.		
	8SB 003 978-041	1	External mirror heated, 24V, without fixing material
	9MX 127 585-002	1	Spare parts: Mirror glass with heating element
	8KA 003 806-001	1	Accessories: Connecting cable with 2-pole plug, 2000 mm long
	8HS 562 691-002	1	Fixing material for mirror arm 18/22 mm dia.
	Iveco, MAN, Mercedes-Benz, Faun, Krupp, Liebherr, Mitsubishi, ÖAF, Sisu, Saurer, Volvo and Zettelmeyer Black plastic mirror head. Mirror head: 382 x 187 mm. Mirror glass: 364 x 175 mm. Radius of curvature: 2100 mm. Mounted on 14/18 mm dia. arm. Complies with the EU Directive 2003/97		
	8SB 003 290-001	1	External mirror
 	9EY 120 010-001	5	Spare parts: Mirror glass
	Iveco, Neoplan, Liebherr and Vetter Adapted, can also be used for same commercial vehicles as mirror 8SB 003 290-001. Mounted on 16/18 mm dia. arm.		
	8SB 003 290-011	1	External mirror, heated, 24V
	9MX 560 096-002	5	Spare parts: Mirror glass with heating element
			Accessories: Connecting cable with 2-pole plug, 2000 mm long
			8KA 560 271-002 1



  	   	Part no.	Pk.	Volvo, Scania
				Black plastic mirror head. Mirror head: 367 x 182 mm. Mirror glass: 355.5 x 169.5 mm. Radius of curvature: 2100 mm. Mounted on 18/22 mm dia. arm.
				Complies with the EU Directive 2003/97
		8SB 003 978-001	1	External mirror without fixing material
		9EY 125 314-001	1	Spare parts: Mirror glass
				Volvo, Scania Radius of curvature: 2200 mm.
		8SB 003 978-041	1	External mirror, heated, 24V, without fixing material
		9MX 127 585-002	1	Spare parts: Mirror glass with heating element
		8KA 003 806-001	1	Accessories: Connecting cable with 2-pole plug, 2000 mm long
8HS 562 691-002	1	Fixing material for mirror arm 18/22 mm dia.		
		Scania 124/144 (400-series) 96-> Mirror glass: 431 x 201 mm. Radius of curvature: 2000 mm.		
9MX 564 242-001	1	Mirror glass for main mirror, left and right		
9MX 564 243-001	1	heated, 24V, left and right		
		Mirror glass: 186 x 163 mm. Radius of curvature: 400 mm.		
9MX 564 244-001	1	Mirror glass for wide-angle mirror, heated, 24V, left and right		
		Iveco EuroCargo 9/00->3/06, EuroStar 1/93->2/02, EuroTech 1/92->3/06, EuroTrakker 1/93->11/04, Stralis 2/02->3/06 Mirror glass: 200 x 175 mm. Radius of curvature: 300 mm.		
		Complies with the EU Directive 2003/97 and 2003/38		
9MX 564 253-001	1	Mirror glass for wide-angle mirror, heated, 24V, left and right		



 	Part no.	Pk.	Volvo FH-series 08/93->12/01, FM-series 08/98->12/01
			Black plastic mirror head. Mirror head: 469 x 440 mm. Mirror glass: 433 x 198 mm. Radius of curvature: 2000 mm. Mirror arm integrated.
			External mirror set incl. mirror arm, electrical adjustable, heated, 24V, left
	8SB 354 506-801	1	
	8SB 354 506-811	1	right
			Spare parts:
	8SB 863 843-001	1	Mirror head without glass, left
	8SB 863 844-001	1	right
	9MX 564 214-012	1	Mirror glass, not heated
	9MX 564 215-012	1	heated, 24V
	8HG 863 841-001	1	Mirror arm, left
	8HG 863 842-001	1	right
	9MN 863 849-001	1	Motor for mirrorsystem

  	  	Part no.	Pk.	DAF CF, XF Black plastic mirror head. Mirror head: 384 x 205 mm. Mirror glass: 368 x 189 mm. Radius of curvature: 2000 mm. Mounted on 22 - 28 mm dia. arm. External mirror electrically adjustable, heated, 24V Spare parts: Mirror glass with heating element, 24V Cap
		8SB 354 507-001	1	
		9MX 863 845-001	1	
		9HB 863 833-001	1	
				 Black plastic mirror head. Mirror head: 219 x 170 mm. Mirror glass: 203 x 154 mm. Radius of curvature: 450 mm. Mounted on 22 - 28 mm dia. arm. Wide-angle mirror, manually adjustable, heated, 24V Spare parts: Mirror glass with heating element, 24V, radius of curvature: 450 mm Mirror glass with heating element, 24V. Radius of curvature: 300 mm. For conversion to the EU Directive 2003/97 and 2003/38 Cap
		8SB 354 508-001	1	
		9MX 863 846-001	1	
		9MX 564 250-001	1	
		9HB 863 834-001	1	
				Volkswagen LT, old model Black plastic mirror head. Mirror head: 255 x 165 mm. Mirror glass: 245 x 156 mm. Radius of curvature : 2200 mm. Mounted on 18/22 mm dia. arm. External mirror without fixing material heated, 12V
		8SB 501 045-002	1	
		8SB 501 045-012	1	

 	Part no.	Pk.	Volkswagen bus, van, T4 Transporter 09/90 -> Black plastic mirror head. Mirror head: 230 x 180 mm. Mirror glass: 197 x 157 mm. Radius of curvature (glass convex): 1400 mm. Mounted to integrated bracket. External mirror, flat glass, left convex glass, left convex glass, right Spare parts: Mirror glass, flat, left convex, left right
	8SB 507 047-001	1	
	8SB 507 047-011	1	
	8SB 507 048-001	1	
	9MX 564 240-001	1	
	9MX 564 240-011	1	
	9MX 564 241-001	1	
			Volkswagen T4 Transporter, Platform truck 09/90 -> Convex mirrorglass: 267 x 175 mm. 9EY 562 033-003 1 Mirrorglass

 	Part no.	Pk.	Volkswagen T2 Transporter Grey, steel mirror head with Durocoat finish. Mirror head: 192 x 124 mm. Mirror glass: 185 x 118 mm. Radius of curvature: 1400 mm. Mounted on 10/12 mm dia. arm. Secured by means of fixing clamp with reducing sleeve. Without approval
	8SB 002 407-001	1	External mirror
			Secured by means of ball support with reducing sleeve.
	8SB 002 407-011	1	External mirror



 	Part no.	Pk.	E.g. for MAN, Neoplan and Scania
			Black plastic mirror head and arm. Driving mirror electrically adjustable. Front end observation mirror and door observation mirror manually adjustable. Radius of curvature: Driving mirror: 2100 mm. Front end observation mirror: 240 mm. Door observation mirror: 240 mm.
			Complies with the EU Directive 2003/97
			External mirror with front end observation - and door observation mirror, heated, 24V, (RH traffic), right
	8SB 501 311-842	1	
	8SB 501 311-812	1	without door observation mirror, heated, 24V, right
			Spare parts:
	9BG 562 812-002	1	Housing upper support
	9BG 562 814-002	1	Housing bottom support
	9MX 562 841-002	1	Mirror glass carrier for main mirror
 	9GH 562 803-002	1	Bellows
	9HB 563 317-052	1	Arm cover assembly
	9HD 562 802-012	1	Cover
	9XD 563 637-012	1	Holder assembly
	8HS 563 390-002	1	Fastening hardware assembly for holder
	9BP 563 482-002	1	Support holder assembly
	9SV 562 840-003	1	Cover mounting assembly
	6GM 500 212-002	1	Double switch, 24V
	8JA 500 431-002	1	Collective plug for double switch
	9MN 562 843-022	1	Adjustment drive, 24V
			E.g. for MAN, Neoplan, Volvo, Irizar, EOS, Van Hool and Jonckheere
			Black plastic mirror head and arm. Driving mirror electrically adjustable. Front end observation mirror and door observation mirror manually adjustable. Radius of curvature: Driving mirror (-812): 1800 mm. Driving mirror (-822): 2100 mm. Front end observation mirror: 240 mm. Door observation mirror: 240 mm. Wide-angle mirror: 450 mm.
			Complies with the EU Directive 2003/97
			External mirror with front end observation - and door observation mirror, heated, 24V, (RH traffic), right
	8SB 501 602-812	1	
	8SB 501 602-822	1	with wide-angle mirror, heated, 24V, (RH traffic), right
			Spare parts:
	9BG 562 812-002	1	Housing upper support, 200 x 120.8 mm
	9BG 562 814-002	1	Housing bottom support
	9MX 562 841-002	1	Mirror glass carrier for main mirror
	9GH 562 803-002	1	Bellows
	9HB 562 824-082	1	Arm cover assembly
	9HD 562 802-012	1	Cover
	9XD 562 800-052	1	Holder
	9XD 563 637-012	1	Holder assembly
	8HS 563 390-002	1	Fastening hardware assembly for holder
	9BP 563 482-002	1	Support holder assembly
	9SV 562 840-003	1	Cover mounting assembly
	6GM 500 212-002	1	Double switch, 24V
	8JA 500 431-002	1	Collective plug for double switch
	9MN 562 843-022	1	Adjustment drive, 24V
	8KB 560 299-251	1	Harness assembly, 6-pole

		Part no.	Pk.	For buses and mobile homes e.g. for MAN, Neoplan, Jetliner, Transliner, Drögmöller E 320/330/470, Bova Futura, Kovex, Irizar, Berghof, Ernst Auwärter and Van Hool Black plastic mirror head and arm. Driving mirror electrically adjustable. Wide-angle mirror and door observation mirror manually adjustable. Driving mirror: 375 x 165 mm. Wide-angle mirror: 145 x 170 mm. Radius of curvature: Driving mirror: 2100 mm. Wide-angle mirror: 450 mm. Door observation mirror: 240 mm. Fastened to dovetail. Complies with the EU Directive 2003/97
		8SB 501 246-822	1	External mirror heated, 24V, (RH traffic), left
		8SB 501 246-812	1	heated, 24V, right
		8SB 501 246-834	1	With wide-angle mirror, heated, 24V, (RH traffic), left
		8SB 501 246-803	1	heated, 24V, right
		8SB 501 246-892	1	With wide-angle - and door observation mirror, heated, 24V, right
		8SB 501 246-431	1	with wide-angle - and observation mirror, heated, 24V, right
		9BG 562 812-002	1	Spare parts: Housing upper section
		9BG 562 813-002	1	Housing centre section
		9BG 562 814-002	1	Housing bottom section
		9MX 562 841-002	1	Mirror glass carrier for main mirror
		9MX 562 846-002	1	Mirror glass carrier for wide-angle mirror
		8SB 501 346-032	1	Door observation mirror (for -892)
		9GH 562 803-002	1	Bellows
		9HB 562 824-022	1	Arm cover assembly
		9HD 562 802-012	1	Cover
		9XD 562 800-052	1	Holder
		9XD 563 637-012	1	Holder assembly
		8HS 563 390-002	1	Fastening hardware assembly for holder
		9BP 563 482-002	1	Support holder assembly
		9SV 562 840-003	1	Cover mounting assembly
		6GM 500 212-002	1	Double switch, 24V
		8JA 500 431-002	1	Collective plug for double switch
		8KB 500 299-251	1	Harness assembly, 6-pole
		9SV 562 829-002	1	TIP-TAP adjusting device for -803/-834/-892/-431
		9SV 562 843-022	1	Adjusting device, 24V, except -431
		9MN 562 843-002	1	for -431

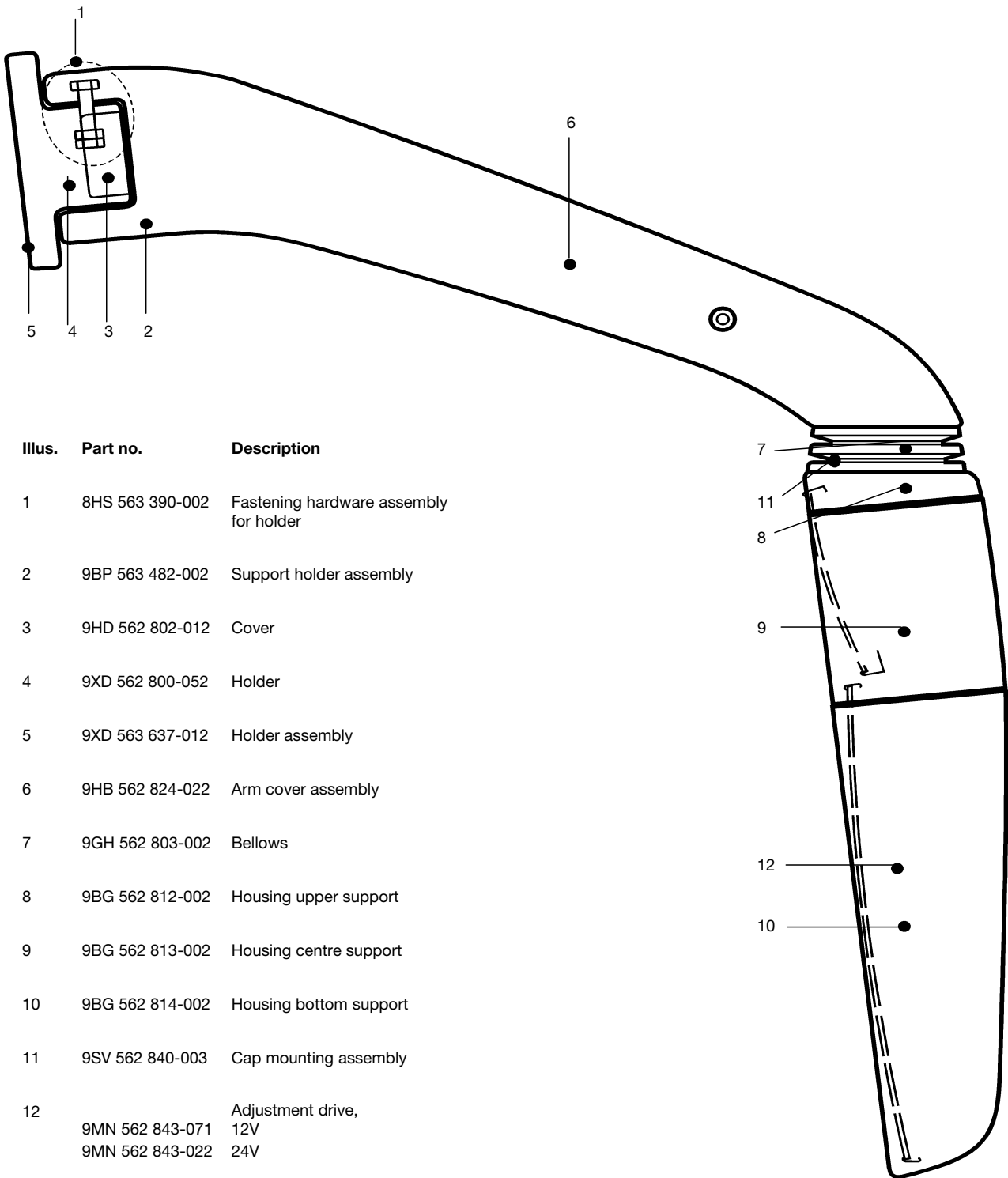


			Part no.	Pk.	Coaches and overland buses e.g. for Berkhof, MAN, Neoplan and Van Hool
					Black plastic mirror head and arm. Driving mirror electrically adjustable. Wide-angle mirror manually adjustable. Driving mirror: 375 x 165 mm. Wide-angle mirror: 145 x 170 mm. Radius of curvature: Driving mirror: 2100 mm. Wide-angle mirror: 450 mm. Fastened to dovetail.
					Complies with the EU Directive 2003/97
					External mirror, heated, 12V, pendant mounting, (RH traffic), left
			8SB 501 247-872	1	
			8SB 501 247-882	1	right
			8SB 501 247-812	1	heated, 24V, pendant mounting, left
					With wide-angle mirror, heated, 12V, pendant mounting, (RH traffic), left
			8SB 501 247-752	1	
			8SB 501 247-742	1	right
			8SB 501 247-822	1	heated, 24V, pendant mounting, left
			8SB 501 247-792	1	right
					Spare parts:
			9BG 562 812-002	1	Housing upper section
			9BG 562 813-002	1	Housing centre section
			9BG 562 814-002	1	Housing bottom section
					Mirror glass carrier for main mirror,
			9MX 562 841-012	1	12V
			9MX 562 841-002	1	24V
			9MX 562 846-002	1	Mirror glass carrier for wide-angle mirror, 24V
			9GH 562 803-002	1	Bellows
			8HG 562 851-012	1	Mirror arm assembly
			9HB 562 837-022	1	Arm cover assembly
			9HD 562 802-012	1	Cover
			9SV 562 840-003	1	Cover mounting assembly
					Double switch,
			6GM 500 212-012	1	12V
			6GM 500 212-002	1	24V
			8JA 500 431-002	1	Collective plug for double switch
					Adjustment drive,
			9MN 562 843-051	1	12V
			9MN 562 843-011	1	24V
					TIP-TAP adjusting device for -742/-752/-792/-822
			9SV 562 829-002	1	



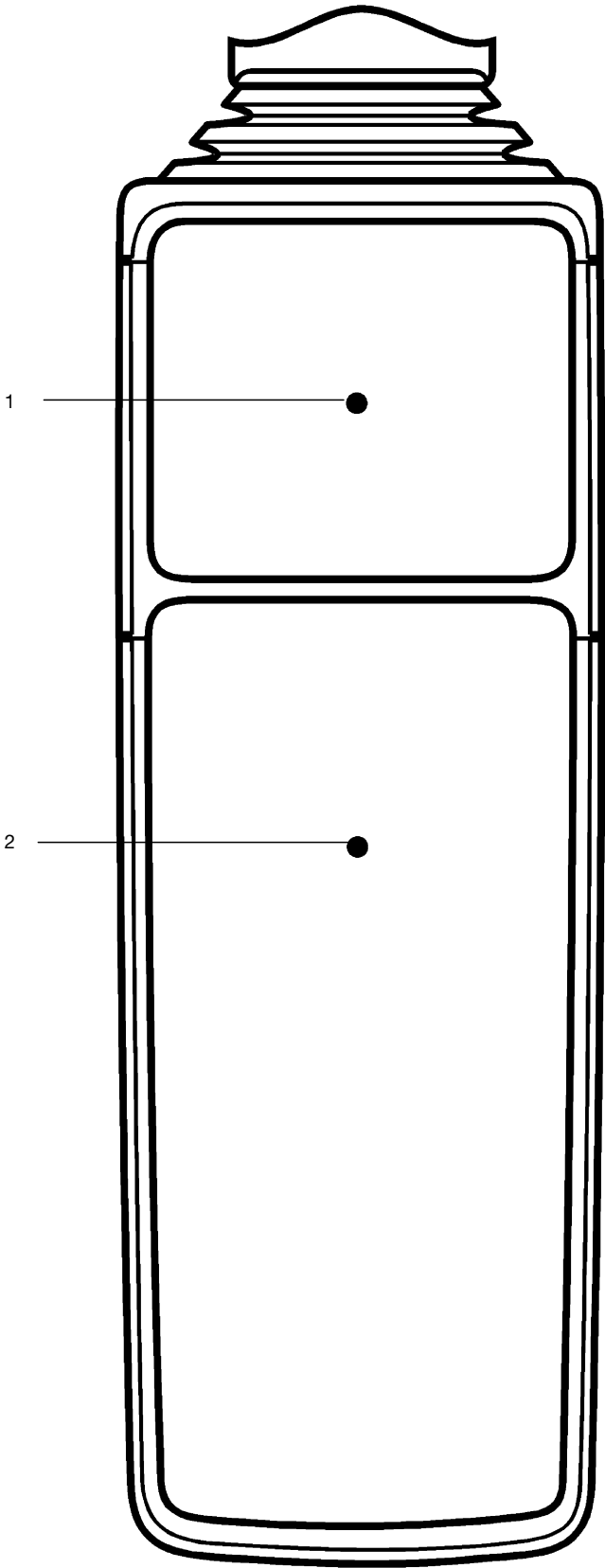
		Part no.	Pk.	Coaches and overland buses e.g. for Berkhof, EvoBus (Setra), Neoplan and Van Hool
		8SB 501 247-895	1	Black plastic mirror head and arm. Driving mirror electrically adjustable. Wide-angle mirror manually adjustable. Driving mirror: 375 x 165 mm. Wide-angle mirror: 145 x 170 mm. Radius of curvature: Driving mirror: 2100 mm. Wide-angle mirror: 450 mm. Fastened to dovetail. Complies with the EU Directive 2003/97 External mirror, heated, 12V, upright mounting, (RH traffic), left
		8SB 501 247-905	1	
		8SB 501 247-803	1	
		8SB 501 247-842	1	
		8SB 501 247-772	1	heated, 24V, upright mounting left
		8SB 501 247-782	1	right
				With wide-angle mirror, heated, 12V, upright mounting (RH traffic), left
				right
				Spare parts:
				9BG 562 812-002 1 Housing upper section
				9BG 562 813-002 1 Housing centre section
				9BG 562 814-002 1 Housing bottom section
				Mirror glass carrier for main mirror,
				12V
				9MX 562 841-012 1 24V
				9MX 562 841-002 1 24V
				9GH 562 803-002 1 Bellows
				8HG 562 851-002 1 Mirror arm assembly
				9HB 562 837-022 1 Arm cover assembly
				9HD 562 802-012 1 Cover
				9SV 562 840-003 1 Cover mounting assembly
				Double switch,
				12V
				6GM 500 212-012 1 24V
				6GM 500 212-002 1 24V
				8JA 500 431-002 1 Collective plug for double switch
				Adjustment drive,
				12V
				9MN 562 843-051 1 24V
				9MN 562 843-011 1 24V
				TIP-TAP adjusting device
				for -772/-782
				9SV 562 829-002 1

Spare Parts for Bus Mirrors



Illus.	Part no.	Description
1	8HS 563 390-002	Fastening hardware assembly for holder
2	9BP 563 482-002	Support holder assembly
3	9HD 562 802-012	Cover
4	9XD 562 800-052	Holder
5	9XD 563 637-012	Holder assembly
6	9HB 562 824-022	Arm cover assembly
7	9GH 562 803-002	Bellows
8	9BG 562 812-002	Housing upper support
9	9BG 562 813-002	Housing centre support
10	9BG 562 814-002	Housing bottom support
11	9SV 562 840-003	Cap mounting assembly
12	9MN 562 843-071 9MN 562 843-022	Adjustment drive, 12V 24V

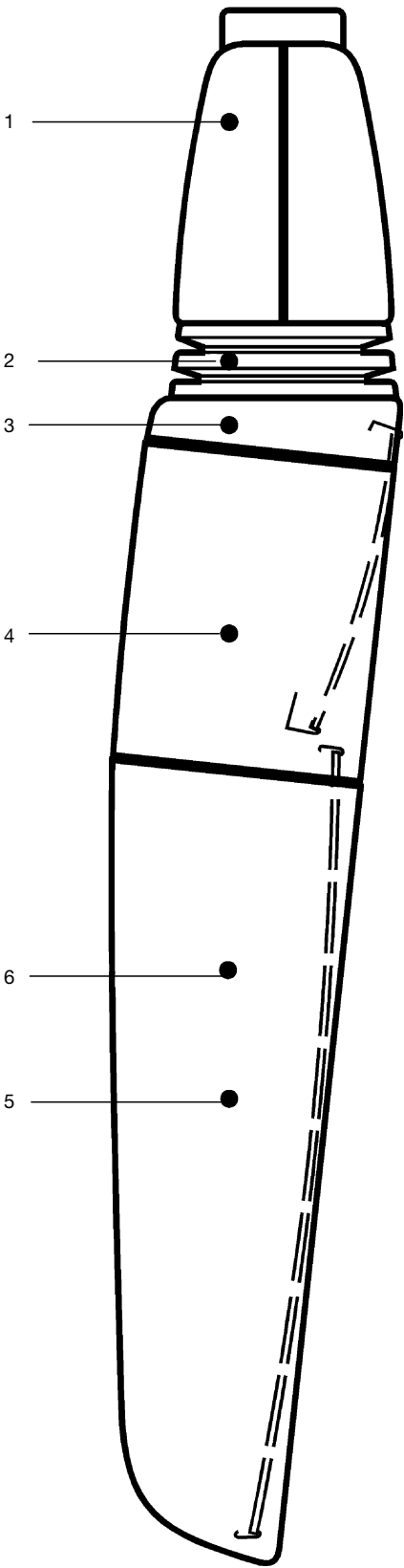
Illus.	Part no.	Description
1	9MX 562 846-002	Mirror glass carrier assembly for wide-angle mirror
2	9MX 562 841-002	Mirror glass carrier assembly for main mirror



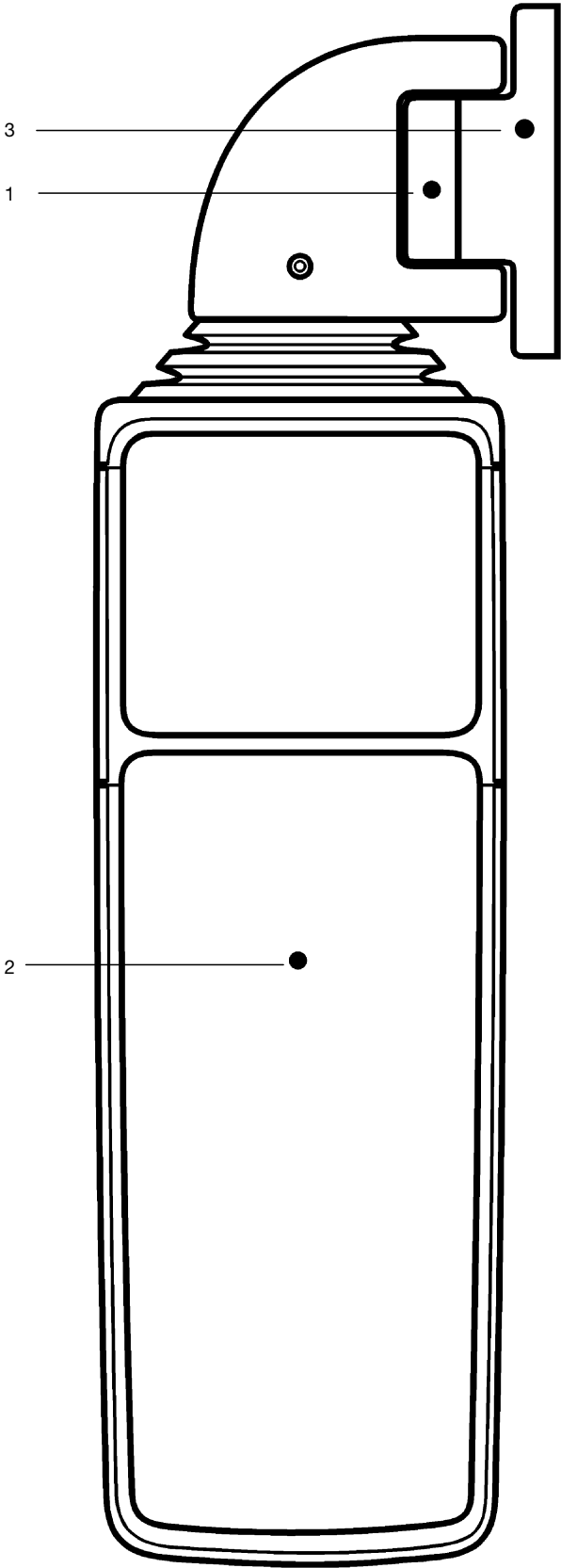
Spare Parts for Bus Mirrors

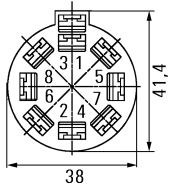
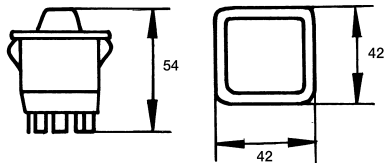
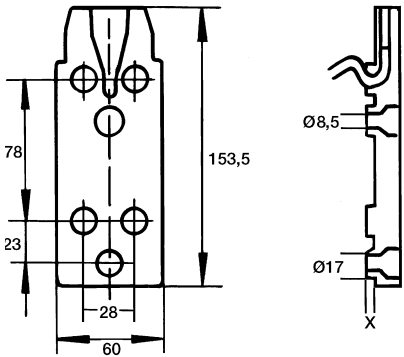


Illus.	Part no.	Description
1	9HB 562 837-022	Arm cover assembly (2 half shells)
2	9GH 562 803-002	Bellows
3	9BG 562 812-002	Housing upper section
4	9BG 562 813-002	Housing centre section
5	9BG 562 814-002	Housing bottom section
6	9MN 562 843-051 9MN 562 843-011	Adjustment drive, 12V 24V



Illus.	Part no.	Description
1	9HD 562 802-012	Cover
2	9MX 562 841-002	Mirror glass assembly for main mirror
3	8HG 562 851-002	Mirror arm assembly upright
	8HG 562 851-012	pendant





Part no.	Pk.	Accessories for bus mirrors	
		Baseplate for mounting bus mirror on body, black, 7-pole.	
		Height X	Wire length
9BP 501 237-002	1	5 mm	2500 mm
9BP 501 237-012	1	5 mm	5500 mm
9BP 501 238-002	1	0 mm	2500 mm
9BP 501 238-012	1	0 mm	4000 mm
9BP 501 238-022	1	0 mm	5500 mm
9BP 561 006-012	1	Base plate, without cable	
9BP 561 138-052	1	Base plate with cable, 2-pole, 2000 mm long	
9BP 561 138-013	1	1500 mm long	
		Holder set	
		For complete replacement of holder and corresponding fastening hardware. Suitable for mirrors 8SB 501 246-..., 8SB 501 311-..., 8SB 501 420-... and 8SB 501 602-...	
9XD 563 637-012	1	Holder set	
		Double switches	
		With control lamp for two-mirror operation.	
6GM 500 212-012	1	Double switch, 12V	
6GM 500 212-002	1	24V	
8JA 500 431-002	1	Common plug, 7-pole	



		Part no.	Pk.	Coaches and overland buses
				Black plastic mirror head and arm. Driving mirror electrically adjustable, multifunction- and wide-angle mirror manually adjustable. Driving mirror: 375 x 165 mm. Multifunction mirror: 189 x 263 mm. Wide-angle mirror: 145 x 170 mm. Radius of curvature: Driving mirror: 2100 mm. Wide-angle mirror: 300 mm (bottom). Multifunction mirror: 200 mm (above). Fastened to dovetail.
		8SB 501 431-811	1	External mirror, heated, 24V, left
		8SB 501 431-821	1	right
		9MX 562 841-002	1	Spare parts: Mirror glass carrier group for driving mirror
		9MX 564 357-011	1	Mirror glass carrier group for multifunction mirror, left
		9MX 564 357-002	1	right
		9MX 562 846-031	1	Mirror glass carrier group for wide-angle mirror
		9HD 564 945-002	10	Cover
		8SB 501 431-831	1	Without multifunction mirror, with wide-angle mirror (above), heated, 24V, left
		8SB 501 431-841	1	right
		9MX 562 841-002	1	Spare parts: Mirror glass carrier group for driving mirror
		9MX 562 846-031	1	Mirror glass carrier group for wide-angle mirror
		9HD 564 945-002	10	Cover



		Part no.	Pk.	Coaches and overland buses
				Black plastic mirror head and arm. Driving mirror electrically adjustable, Multifunction mirror manually adjustable. Driving mirror: 375 x 165 mm. Multifunction mirror: 189 x 263 mm. Radius of curvature: Driving mirror: 2100 mm. Multifunction mirror: 200 mm Fastened to dovetail.
		8SB 501 431-851	1	External mirror, heated, 24V, left
		8SB 501 431-861	1	right
		9MX 562 841-002	1	Spare parts: Mirror glass carrier group for driving mirror
		9MX 564 357-011	1	Mirror glass carrier group for multifunction mirror,
		9MX 564 357-002	1	left
		9HD 564 945-002	10	right
				Cover
		8SB 501 431-871	1	Without multifunction mirror, heated, 24V, left
		8SB 501 431-881	1	right
		9MX 562 841-002	1	Spare parts: Mirror glass carrier group for driving mirror
		9HD 564 946-002	10	Cover

		Part no.	Pk.	EvoBus (Mercedes-Benz) Citaro, EvoBus (Setra) Combibus Black/grey plastic mirror head. Mirror head: 479 x 210 mm. Mirror glass: 400 x 165 mm. Radius of curvature: 1800 mm. Complies with the EU Directive 2003/97 External mirror, left, heated, 24V, electrically adjustable 8SB 501 401-802 1 8SB 501 401-822 1 manually adjustable Spare parts: 9MX 564 305-002 1 Mirror glass carrier 9MN 562 843-002 1 Electrical adjustment drive 9MN 562 844-032 1 Manual adjustment drive 9HD 564 316-002 1 Cap, grey 9XD 564 323-002 1 Folding hinge
				EvoBus (Mercedes-Benz) Citaro Black/grey plastic mirror head and arm. Driving mirror: 340 x 175 mm. Wide-angle mirror: 188 x 134 mm. Complies with the EU Directive 2003/97 External mirror (length of arm: 687 mm) with multifunction mirror (wide angle/door observation), right, heated, 24V electrically adjustable 8SB 501 402-802 1 8SB 501 402-822 1 manually adjustable
				EvoBus (Setra) Combibus Complies with the EU Directive 2003/97 External mirror (length of arm: 633 mm) with multifunction mirror (wide angle/door observation), right, heated, 24V, electrically adjustable 8SB 501 403-802 1 8SB 501 403-822 1 manually adjustable Spare parts: 9MX 564 356-002 1 Mirror glass carrier for main mirror 9MX 564 357-002 1 Mirror glass carrier for multifunction mirror 9HB 564 363-002 1 Arm cover assembly above 9HB 564 364-002 1 Arm cover assembly below 9XD 564 376-002 1 Mirror base for 501 402-... 9HB 564 365-002 1 Trim for mirror base for 501 402-... 9XD 564 384-002 1 Mirror base for 501 403-... 9HB 564 381-002 1 Trim for mirror base for 501 403-... 9BP 564 386-002 1 Support bracket assembly 9GD 564 362-002 1 Trim 9BG 564 360-002 1 Housing 9HD 564 383-002 1 Cover, grey 9SV 562 829-002 1 TIP-TAP adjusting device for wide-angle mirror for 8SB 501 402-802/-822 and 8SB 501 403-802/-822 9MN 562 843-002 1 Adjusting device, electrically 9MN 562 844-032 1 manually



 	Part no.	Pk.	Bus mirror with extremely large viewing angle Black plastic mirror head. Mirror head: 205 x 125 mm. Mirror glass: 205 x 118 mm. Radius of curvature: 240 mm. Mounted on 18/22 mm dia. arm, incl. holder, fastening hardware and cable. Without approval
	8SB 501 511-802	1	Bus mirror, heated, 24V
	8SB 501 346-022	1	Bus mirror with extremely large viewing angle Black plastic mirror head. Mirror head: 205 x 125 mm. Mirror glass: 205 x 118 mm. Radius of curvature: 240 mm. Mounted on 18/22 mm dia. arm, incl. fastening hardware. Without approval
	8SB 501 346-032	1	Bus mirror, heated, 24V, with cable
 	8KA 500 218-002	1	Spare parts: Connecting cable with 2-pole plug and free cable end, 1150mm long
	8HG 501 347-002	1	Accessories: Holder, 202 x 72 mm



	Part no.	Pk.	Universal Grey, steel mirror head with Durocoat finish. Mirror head: 270 x 155 mm Mirror glass: 257 x 143 mm. Radius of curvature: 1400 mm. Without approval
	8SB 002 405-001	1	External mirror, mounted on 10/12 mm dia. arm
	8SB 002 405-011	1	mounted on 15/18 mm dia. arm
	9EY 111 231-001	1	Spare parts: Mirror glass
			Universal Grey, steel mirror head with Durocoat finish. Mirror head: 420 x 220 mm. Mirror glass: 410 x 210 mm. Radius of curvature: 1400 mm. Mounted on 18 mm dia. arm. Without approval
	8SB 002 990-001	1	External mirror
	9EY 117 124-001	1	Spare parts: Mirror glass

	Part no.	Pk.	E.g. for Deutz-Fahr, Fendt and Steyr Steel mirror head with Durocoat finish. Mirror head: 300 x 210 mm. Mirror glass: 290 x 200 mm. Radius of curvature: 1400 mm. Mounted on 18 mm dia. arm.
	8SB 002 991-001	1	External mirror, grey
	8SB 002 991-081	1	black
	9EY 117 126-001	1	Spare parts: Mirror glass
	E.g. for Deutz-Fahr, Fendt and Steyr Black, steel mirror head with Durocoat finish. With laterally offset mount. Mirror head: 310 x 220 mm. Mirror glass: 302 x 215 mm. Mounted on 18 mm dia. arm. Without approval		
	8SB 002 991-182	1	External mirror
 	9EY 117 126-014	1	Spare parts: Mirror glass
	Universal Black plastic mirror head. Mirror head: 316 x 230 mm. Mirror glass: 302 x 215 mm. Radius of curvature: 2200 mm. Secured by fixing clamp. Mounted on 22 mm dia. arm, with reducing sleeve on 18 mm dia. arm. Complies with the EU Directive 2003/97		
	8SB 501 263-003	1	External mirror with fixing clamp
	8SB 501 263-014	1	without fixing clamp
	8SB 501 263-052	1	heated, 12V
	9EY 117 126-014	1	Spare parts: Mirror glass for -003
	8HS 562 691-002	1	Fixing clamp for 18/22 mm dia. arm.



 	Part no.	Pk.	Universal Black plastic mirror head. Mirror head: 434 x 227 mm. Mirror glass: 423 x 216 mm. Radius of curvature: 2100 mm. Mirror electrically adjustable, horizontally and vertically. Mounted on 18/22 mm dia. arm. Connecting cable and switch are not supplied.
	8SB 501 190-082	1	External mirror, electrically adjusted, heated, 24V
	9MX 562 159-023	1	Spare parts: Mirror glass with heating element
	8KA 562 423-002	1	Accessories: Connecting cable with single switch
	8KA 562 423-002	1	with double switch
			Universal Black plastic mirror head. Mirror head: 376 x 197 mm. Mirror glass: 366 x 187 mm. Radius of curvature: 2100 mm. Mirror electrically adjustable, horizontally and vertically. Mounted on 18/22 mm dia. arm. Connecting cable and switch are not supplied.
	8SB 501 191-202	1	External mirror, electrically adjustable, heated, 24V
	9MX 562 159-013	1	Spare parts: Mirror glass with heating element
	8KA 562 423-002	1	Accessories: Connecting cable with single switch
	8KA 562 423-002	1	with double switch
 			Universal Black plastic mirror head. Mirror head: 310 x 225 mm. Mirror glass: 299 x 215 mm. Radius of curvature: 2100 mm. Mirror electrically adjustable, horizontally and vertically. Mounted on 18/22 mm dia. arm. Connecting cable and switch are not supplied.
	8SB 501 192-002	1	External mirror, electrically adjustable, heated, 24V
	9MX 562 159-052	1	Spare parts: Mirror glass with heating element
	8KA 562 423-002	1	Accessories: Connecting cable with single switch
	8KA 562 423-002	1	with double switch

	Part no.	Pk.	Universal Black plastic mirror head. Mirror head: 376 x 187 mm. Mirror glass: 364 x 175 mm. Radius of curvature: 2000 mm. Mounted on 16/20 mm dia. arm.
	8SB 507 041-011	1	External mirror
	9EY 120 010-001	5	Spare parts: Mirror glass
	8SB 004 288-092	1	Universal Black plastic mirror head. Mirror head: 244 x 157 mm. Mirror glass: 236 x 146 mm. Radius of curvature: 2100 mm. Mounted on 18 mm dia. arm.
			External mirror
	8SB 501 137-082	1	Universal Black plastic mirror head. Mirror head: 247 x 157 mm. Mirror glass: 245 x 155 mm. Radius of curvature: 450 mm. With universal bracket for passenger door pillar.
	8SB 501 137-001	1	Approach mirror Spare parts: Mirror head



	Part no.	Pk.	Universal Grey, steel mirror head with Durocoat finish. Mirror head: 270 x 155 mm Mirror glass: 265 x 149 mm. Radius of curvature: 1400 mm. Without approval
	8SB 002 405-001	1	External mirror, mounted on 10/12 mm dia. arm
	8SB 002 405-011	1	mounted on 15/18 mm dia. arm
	9EY 111 231-001	1	Spare parts: Mirror glass
			Universal Grey, steel mirror head with Durocoat finish. Mirror head: 420 x 220 mm. Mirror glass: 410 x 210 mm. Radius of curvature: 1400 mm. Mounted on 18 mm dia. arm. Without approval
	8SB 002 990-001	1	External mirror
	9EY 117 124-001	1	Spare parts: Mirror glass

	Part no.	Pk.	Universal Steel mirror head with Durocoat finish. Mirror head: 300 x 210 mm. Mirror glass: 290 x 200 mm. Radius of curvature: 1400 mm. Mounted on 18 mm dia. arm.
	8SB 002 991-001	1	External mirror, grey
	8SB 002 991-081	1	black
	9EY 117 126-001	1	Spare parts: Mirror glass
	Universal Black, steel mirror head with Durocoat finish. Mirror head: 310 x 220 mm. Mirror glass: 302 x 215 mm. Radius of curvature: 2100 mm. Mounted on 18 mm dia. arm. With laterally offset mount. Without approval		
	8SB 002 991-182	1	External mirror
	9EY 117 126-014	1	Spare parts: Mirror glass
	Universal Black, steel mirror head. Mirror head: 280 x 200 mm. Mirror glass: 272 x 193 mm. Radius of curvature: 2100 mm. Mounted on 12 mm dia. arm.		
	8SB 501 047-011	1	External mirror



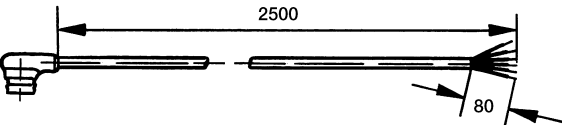
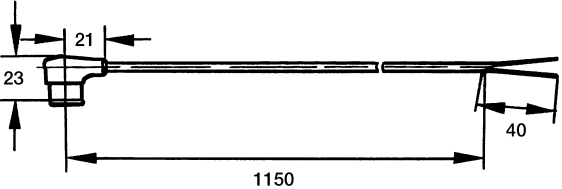
	Part no.	Pk.	Universal Black plastic mirror head. Mirror head: 316 x 230 mm. Mirror glass: 302 x 215 mm. Radius of curvature: 2200 mm. Secured by fixing clamp. Mounted on 22 mm dia. arm, with reducing sleeve on 18 mm dia. arm. Complies with the EU Directive 2003/97
	8SB 501 263-003	1	External mirror with fixing clamp
	8SB 501 263-014	1	without fixing clamp
	9EY 117 126-014	1	Spare parts: Mirror glass for -003
	8HS 562 691-002	1	Fixing clamp for 18/22 mm dia. arm
			Universal Steel mirror head with black Durocoat finish. Mirror head: 265 x 160 mm. Mirror glass: 260 x 156 mm. Radius of curvature: 1400 mm. Mounted on 10 mm dia. arm.
	8SB 002 994-001	1	External mirror
	9EY 117 127-001	2	Spare parts: Mirror glass
			Universal Grey, steel mirror head with Durocoat finish. Mirror head: 270 x 155 mm. Mirror glass: 265 x 149 mm. Radius of curvature: 1400 mm. Mounted on 15/18 mm dia. arm. Without approval
	8SB 002 992-001	1	External mirror
	9EY 111 231-001	1	Spare parts: Mirror glass

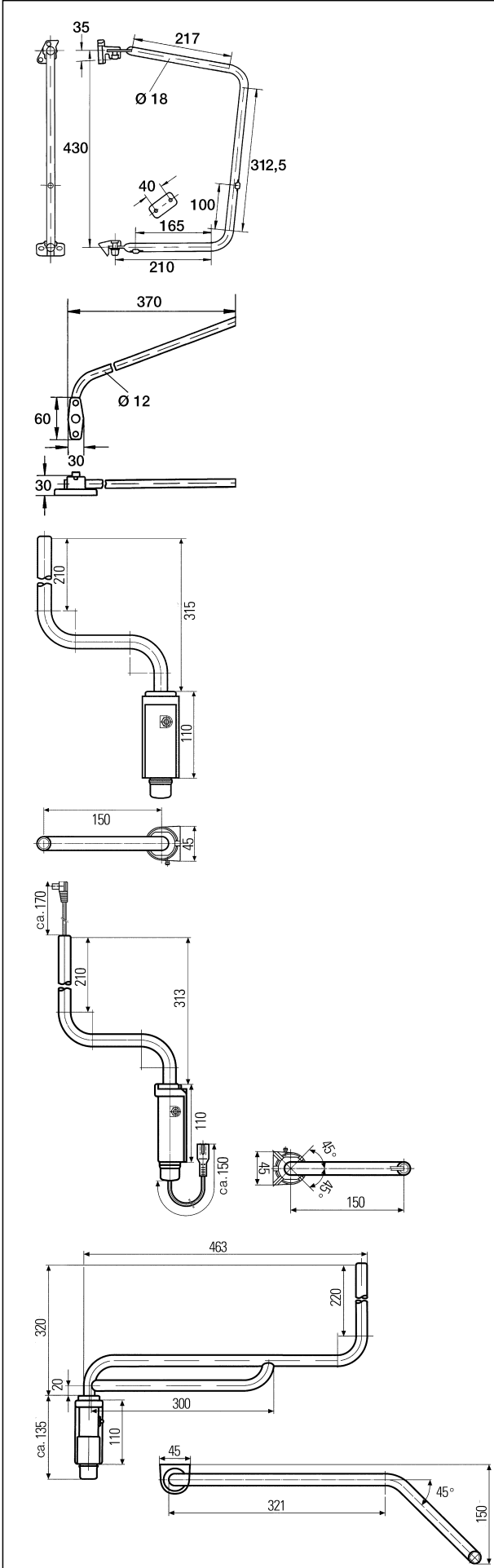
	Part no.	Pk.	Universal Steel mirror head with Durocoat finish. Mirror head: 186 x 131 mm. Mirror glass: 180 x 125 mm. Radius of curvature: 1400 mm. Mounted on 10 mm dia. arm. Without approval
	8SB 002 997-001	1	External mirror, grey
	8SB 002 997-103	1	black
	9EY 117 129-001	1	Spare parts: Mirror glass
			Universal Black, plastic mirror head. Mirror head: 210 x 165 mm. Mirror glass: 202 x 160 mm. Radius of curvature: 1400 mm. Mounted on 10/12 mm dia. arm. Without approval
	8SB 002 404-121	1	External mirror Secured by means of fixing clamp with reducing sleeve
			Grey, plastic mirror head. Without approval
	8SB 002 404-131	1	External mirror Secured by means of ball support with reducing sleeve for 12/10 mm dia. arm
	9EY 111 230-001	4	Spare parts: Mirror glass



Universal Mirrors

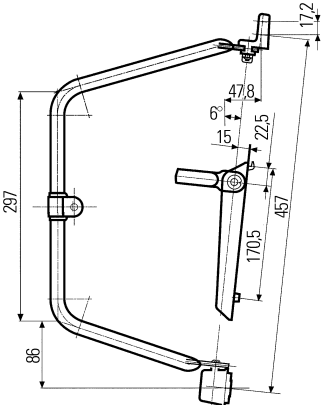
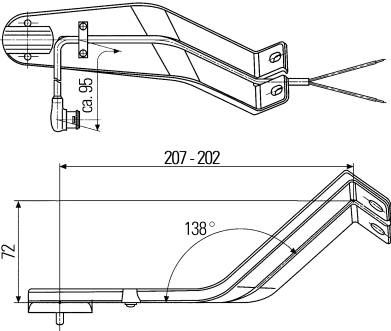
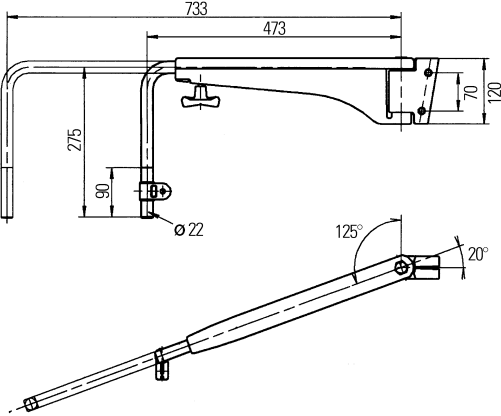
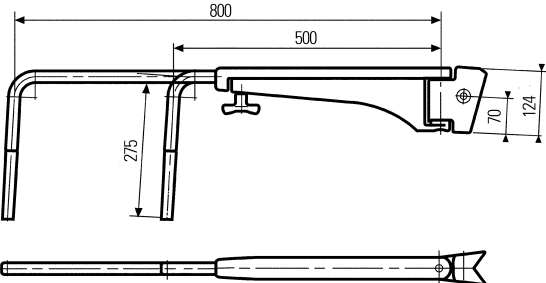
Connecting Cables

 	Part no.	Pk.	For small delivery vans and tractors Grey plastic mirror head. Mirror head: 127 mm dia. Mirror glass: 121 mm dia. Mounted on 10/12 mm dia. arm. Without approval
	8SB 002 406-001	1	External mirror
			For small delivery vans and tractors Grey, steel mirror head with Durocoat finish. Mirror head: 155 mm dia. Mirror glass: 141 mm dia. Radius of curvature: 1400 mm. Mounted on 10/12 mm dia. arm. Without approval
	8SB 003 212-001	1	External mirror
 	8KA 562 671-002	1	Connecting cables Connecting cable, 2500 mm long, with 6-pole round plug
	8KA 500 218-002	1	Connecting cable, 1150 mm long, with 2-pole angular plug



Part no.	Pk.	Mitsubishi
8HG 003 323-032	1	Diameter of mirror arm: 18 mm. Mirror arm, black, left
8HG 002 211-001	2	Universal Galvanized tubular steel arm. Grey cast iron mount with silver colour enamel finish. Secured with 2 M6 screws on left or right side of vehicle. Distance between screws: 43 mm. Diameter of mirror arm: 12 mm. Mirror arm
8HG 561 107-001	1	Diameter of mirror arm: 18 mm. Mirror arm, black, left
9BP 561 006-012	1	Accessories: Base plate, black
8HG 561 107-112	1	Diameter of mirror arm: 18 mm. Mirror arm, black, with 2-pole cable, left
9BP 561 138-013	1	Accessories: Base plate with cabel, 2-pole, 1500 mm long
9BP 561 138-052	1	2000 mm long
8HG 561 108-002	1	Diameter of mirror arm: 18 mm. Mirror arm, black, right

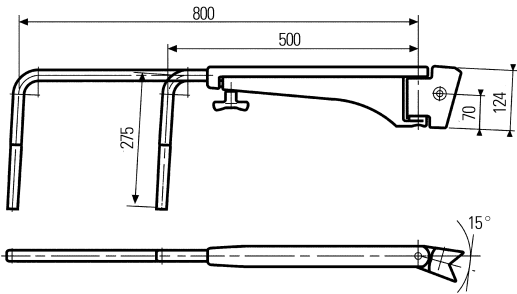
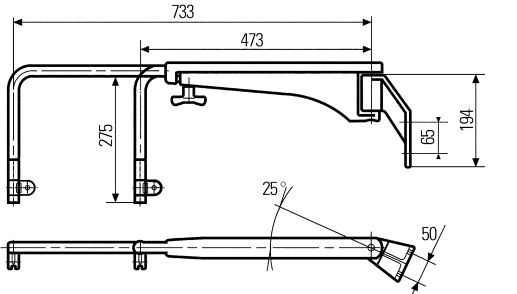
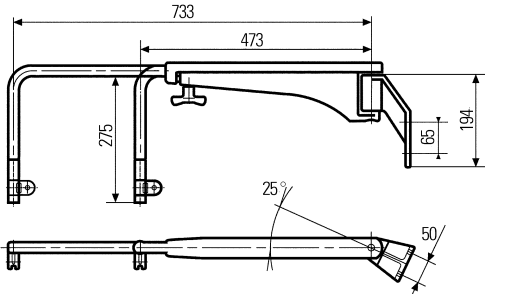


   	Part no.	Pk.	Universal
	8HG 501 101-002	1	Diameter of mirror arm: 18 mm. Mirror arm, black, left
	8HG 501 347-002	1	For bus mirror see page 6.54. Mirror arm
	8HG 501 253-012 8HG 501 253-022	1 1	Diameter of mirror arm: 22 mm. Telescopic-mirror arm, black, left right
	8HG 501 257-002	1	Diameter of mirror arm: 22 mm. Telescopic-mirror arm

Mirror Arms

Caravan Mirror



	Part no.	Pk.	Universal
	8HG 501 257-032	1	Diameter of mirror arm: 22 mm. Telescopic-mirror arm, left
	8HG 501 257-042	1	right
	8HG 501 266-022	1	Diameter of mirror arm: 22 mm. Telescopic-mirror arm, left
	8HG 501 266-032	1	right
	8SD 501 201-011	1	Caravan mirror
			Universal mirror for cars. Black plastic mirror head. Mirror with rods for insertion on the top of standard car wing mirrors. Can be mounted on thr left or right. Can be mounted and dismounted easily in no time. Mirror glass: 148 x 107 mm.

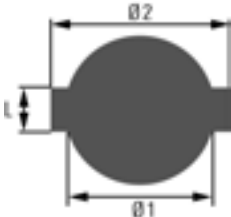


Product descriptions

7.02

The vehicle application overviews can be found in the Hella Online Catalogue and TecDoc



		Part no.	Pk.	Filler caps					
		Lockable, with 2 keys.							
					Ø 1 mm	Ø 2 mm	L mm	Ventilation	
		8XY 004 715-001	1	PT 1	35.5	42.0		with	
		8XY 004 716-001	1	PT 2	38.0	44.0		without	
		8XY 004 717-001	1	PT 3	38.0	44.0		with	
		8XY 004 718-001	1	PT 4	38.0	44.0		without	
		8XY 004 719-001	1	PT 5				without	
		8XY 004 720-001	1	PT 6	34.0	40.0		with	
		8XY 004 721-001	1	PT 7		58.0		without	
		8XY 004 723-001	1	PT 9	34.0	41.0		without	
		8XY 004 724-001	1	PT 10	34.0	41.0		without	
		8XY 004 725-001	1	PT 11	34.0	40.0		without	
		8XY 004 727-001	1	PT 13	34.0	41.0		without	
		8XY 004 727-011	1	PT 13	34.0	41.0		without	1)
		8XY 004 729-001	1	PT 15	44.5			with	
		8XY 005 067-001	1	PT 20	34.0	40.0		with	
		8XY 005 586-001	1	PT 22	38.0	44.0		without	
		8XY 005 587-001	1	PT 23				without	
		8XY 006 369-001	1	PT 26	38.5	44.0		without	
		8XY 006 481-001	1	PT 27	44.5			with	
		8XY 006 587-001	1	PT 28	44.0	57.5		without	
		8XY 006 894-001	1	PT 29	38.0	44.0		without	
		8XY 007 021-001	1	PT 30	33.5	40.0		with	2) 3)
		8XY 007 022-001	1	PT 31	38.0	44.0		with	2) 3)
		8XY 007 103-001	1	PT 34		43.0		without	
		8XY 007 102-001	1	PT 35	29.0			without	
		8XY 007 101-001	1	PT 36	30.0			without	
		8XY 007 525-001	1	PT 39	36.5	46.5		without	
		8XY 007 526-001	1	PT 40	31.0			without	
		8XY 007 528-001	1	PT 42	34.0	42.0		without	
		8XY 004 729-101	1	PT 43	44.5			with	2) 3)
		8XY 006 481-101	1	PT 44	44.5			with	2) 3)
		8XY 007 747-001	1	PT 45				without	
		8XY 007 746-001	1	PT 46				without	
		8XY 007 745-001	1	PT 47				without	
		8XY 008 230-001	1	PT 52	43.0	53.0	4.0	without	
		8XY 008 235-001	1	PT 57		62.5	6.4	without	
		8XY 008 236-001	1	PT 58		62.0		without	
		8XY 008 238-001	1	PT 60	39.0	46.0	8.0	with	
		8XY 008 239-001	1	PT 61	33.0	46.0		without	
		8XY 008 240-001	1	PT 62		68.0	6.0	with	
		8XY 008 530-001	1	PT 63	33.0	45.0		with	
		8XY 008 238-011	1	PT 67	39.0	46.0	8.0	with	
		8XY 004 734-001	1	LT 1	78.0	115.0		with	4)
		8XY 004 734-011	1	LT 1	78.0	115.0		with	5) 6)
		8XY 004 735-001	1	LT 2	60.0	85.0		with	4)
		8XY 007 023-001	1	LT 3	78.0	115.0		with	3) 5)
		8XY 004 735-031	1	LT 4	60.0	95.0		with	3) 5)
		8XY 004 735-041	1	LT 5	60.0	95.0		with	5)
Without fastening tape									
1) with cap against dust and frost									
2) with valve ventilation (can be used with ventiled as well as non-ventiled tanks)									
3) without lock									
4) metal									
5) black plastic									
6) 1-key vehicle-pool version									

It is final seller's responsibility to decide wether unventiled filler caps can be used in a particular case.



Battery terminal clips	8.74-8.75
Cables	8.78-8.81
Cable connectors	8.58-8.59
Cable straps	8.23-8.24
Chassis cable clips	8.28
Cigarette lighter	8.29
Crimp terminals (-sets)	8.02-8.19, 8.76-8.77
Crimping tools	8.19
Earthing straps	8.73
Extension cables and adapters	8.35-8.36, 8.46, 8.53
Fuse boxes	8.59-8.62
Fuses and fuse holders	8.63-8.72
Heat-shrink tubing	8.26
Hose clips	8.27
Insulating tapes	8.25
Parking sockets	8.44, 8.51, 8.54
Pipe clamps	8.28
Plug housings	8.17
Plug-in tester	8.47
Shrink connectors	8.07-8.08
Sockets	8.20-8.22
Sockets and plugs	8.30-8.54
Spirally-coiled cables	8.55-8.58
Starter cable	8.73
Thread sealing tape	8.25

Crimp Terminals

Insulated



Colour of insulation: red
Crimp terminals for 0.5 to 1 sq. mm cables

Colour of insulation: blue
Crimp terminals for 1.5 to 2.5 sq. mm cables
(except 8KW 044 035-003 transparent insulation)

Colour of insulation: yellow
Crimp terminals for 4.0 to 6.0 sq. mm cables

OEM names and numbers were used for identification of the items only.



Illustration	Type Cable section sq. mm	Description	Colour	Part no.	Pk.	Part no.	Pk.	Pcs. per Pro-fit pack
	Blade receptacles 0.5 - 1.0	For blade terminals 2.8 x 0.5 mm	red	8KW 705 393-003	100	8KW 705 393-812	1 box	10
	Blade receptacles 0.5 - 1.0	For blade terminals 4.8 x 0.5 mm	red	8KW 705 392-003	100	8KW 705 392-812	1 box	10
	1.5 - 2.5		blue	8KW 744 697-003	100			
	1.5 - 2.5	4.8 x 0.8 mm	blue	8KW 744 698-003	100			
	Blade receptacles 0.5 - 1.0	For blade terminals 6,3 x 0,8 mm	red	8KW 044 036-003 8KW 044 036-004	100 1000 *)	8KW 044 036-812	1 box	15
	1.5 - 2.5		blue	8KW 044 022-003 8KW 044 022-004	100 1000 *)	8KW 044 022-822	1 box	10
	4.0 - 6.0		yellow	8KW 044 023-003 8KW 044 023-004	50 1000 *)	8KW 044 023-811	1 box	10
	Blade receptacles max. 3	For asymmetrical headlamps Plug width 7.7 x 0.8 mm	blue	8KW 044 024-003	50			
	Blade receptacles 4.0 - 6.0	For regulators and dynamos 9.5 x 1.2 mm	yellow	8KW 700 142-003	50			
	2-way connectors 0.5 - 1.0	Size of blade terminal 6.3 x 0.8 mm	red	8KW 700 143-003	50	8KW 700 143-812	1 box	12
	1.5 - 2.5		blue	8KW 044 032-003 8KW 044 032-004	50 1000 *)	8KW 044 032-812	1 box	12
	Blade terminals 0.5 - 1.0	Size of blade terminal 2.8 x 0.8 mm	red	8KW 744 699-003	100			
	Blade terminals 0.5 - 1.0	Size of blade terminal 6.3 x 0.8 mm	red	8KW 702 796-003	100	8KW 702 796-811	1 box	10
	1.5 - 2.5		blue	8KW 044 288-003 8KW 044 288-004	100 1000 *)	8KW 044 288-812	1 box	15
	4.0 - 6.0		yellow	8KW 744 700-003	50			
	Pin terminals 0.5 - 1.0	4 mm dia.	red	8KW 044 040-003 8KW 044 040-004	100 1000 *)	8KW 044 040-812	1 box	12
	1.5 - 2.5	5 mm dia.	blue	8KW 044 025-003	100	8KW 044 025-812	1 box	12
	4.0 - 6.0	5 mm dia.	yellow	8KW 744 733-003	50			

*) Standard pack



Crimp Terminals

Insulated

Illustration	Type Cable section sq. mm	Description	Colour	Part no.	Pk.	Part no.	Pk.	Pcs. per Pro-fit pack
	Pin sockets 0.5 - 1.0	4 mm dia.	red	8KW 045 145-003 8KW 045 145-004	50 1000 *)	8KW 045 145-812	1 box	10
	1.5 - 2.5	5 mm dia.	blue	8KW 044 026-003	50	8KW 044 026-812	1 box	10
	4.0 - 6.0	5 mm dia.	yellow	8KW 744 734-003	50			
	Ring connectors 0.5 - 1.0	For M3 pins	red	8KW 044 275-003	100			
	1.5 - 2.5		blue	8KW 044 041-003	100			
	Ring connectors 0.5 - 1.0	For M4 pins	red	8KW 044 276-003 8KW 044 276-004	100 1000 *)	8KW 044 276-812	1 box	12
	1.5 - 2.5		blue	8KW 044 028-003 8KW 044 028-004	100 1000 *)	8KW 044 028-812	1 box	12
	4.0 - 6.0		yellow	8KW 744 776-003	50			
	Ring connectors 0.5 - 1.0	For M5 pins	red	8KW 044 291-003	100	8KW 044 027-812	1 box	12
	1.5 - 2.5		blue	8KW 044 027-003 8KW 044 027-004	100 1000 *)			
	4.0 - 6.0		yellow	8KW 044 029-003 8KW 044 029-004	50 1000 *)			
	Ring connectors 0.5 - 1.0	For M6 pins	red	8KW 744 772-003	100	8KW 044 039-812	1 box	12
	1.5 - 2.5		blue	8KW 044 039-003 8KW 044 039-004	100 1000 *)			
	4.0 - 6.0		yellow	8KW 044 030-003 8KW 044 030-004	50 1000 *)			
	Ring connectors 0.5 - 1.0	For M8 pins	red	8KW 744 773-003	50	8KW 044 277-812	1 box	10
	1.5 - 2.5		blue	8KW 044 277-003	50			
	4.0 - 6.0		yellow	8KW 044 031-003	50			
	Ring connectors 0.5 - 1.0	For M10 pins	red	8KW 744 774-003	50			
	1.5 - 2.5		blue	8KW 744 775-003	50			
	4.0 - 6.0		yellow	8KW 044 038-003	50			
	Fork connectors 0.5 - 1.0	For M3 pins	red	8KW 744 777-003	100			
	Fork connectors 0.5 - 1.0	For M4 pins	red	8KW 744 778-003	100			
	1.5 - 2.5		blue	8KW 744 782-003	100			
	Fork connectors 1.5 - 2.5	For M5 pins	blue	8KW 044 282-003	50	8KW 044 282-811	1 box	10

*) Standard pack



Illustration	Type Cable section sq. mm	Description	Colour	Part no.	Pk.	Part no.	Pk.	Pcs. per Pro-fit pack
	Fork connectors 0.5 - 1.0	For M5 pins	red	8KW 744 779-003	100			
	4.0 - 6.0		yellow	8KW 744 784-003	50			
	Fork connectors 0.5 - 1.0	For M6 pins	red	8KW 744 780-003	100			
	1.5 - 2.0		blue	8KW 744 783-003	100			
	4.0 - 6.0		yellow	8KW 744 785-003	50			
	Fork connectors 4.0 - 6.0	For M8 pins	yellow	8KW 744 786-003	50			
	Fork connectors 0.5 - 1.0	For M4 pins	red	8KW 744 788-003	50			
	1.5 - 2.5		blue	8KW 744 789-003	100			
	Fork connectors 1.5 - 2.5	For M5 pins	blue	8KW 044 037-003	100			
	Fork connectors 0.5 - 1.0	For M6 pins	red	8KW 744 790-003	50			
	Blade terminalss 0.5 - 1.0	Fully insulated Size of blade terminal 6.3 x 0.8 mm	red	8KW 744 703-003	50			
	1.5 - 2.5		blue	8KW 744 704-003	50			
	4.0 - 6.0		yellow	8KW 744 705-003	25			
	Blade receptacles 0.5 - 1.0	Fully insulated For blade terminals 6.3 x 0.8 mm	red	8KW 708 373-003 8KW 708 373-004	50 1000 *)	8KW 708 373-812	1 box	8
	1.5 - 2.5		blue	8KW 708 374-003 8KW 708 374-004	50 1000 *)	8KW 708 374-812	1 box	8
	4.0 - 6.0		yellow	8KW 744 799-003	50			
	Contact pin bushes 0.5 - 1.0		red	8KW 744 769-003	100			
	1.5 - 2.5		blue	8KW 744 770-003	100			
	4.0 - 6.0		yellow	8KW 744 771-003	50			
	Butt connectors 0.5 - 1.0		red	8KW 044 280-003 8KW 044 280-004	100 1000 *)	8KW 044 280-811	1 box	12
	1.5 - 2.5		blue	8KW 044 033-002 8KW 044 033-004	100 1000 *)	8KW 044 033-812	1 box	12
	4.0 - 6.0		yellow	8KW 044 034-003 8KW 044 034-004	50 1000 *)	8KW 044 034-811	1 box	12
	Coupling for 8KW 044 036-... 8KW 044 022-... 8KW 044 023-...	For 2 blade receptacles 6.3 x 0.8 mm	trans- parent	8KW 044 035-003	25	8KW 044 035-811	1 box	5

*) Standard pack

Illustration	Type Cable section sq. mm	Description	Colour	Part no.	Pk.	Part no.	Pk.	Pcs. per Pro-fit pack
	Splice connectors 0.3 - 0.75		red	8KV 715 923-003	25	8KV 715 923-801	1 box	5
	0.8 - 2.0		blue	8KV 705 123-002 8KV 705 123-004	25 1000	8KV 705 123-813	1 box	5
	3.3 - 5.2		yellow	8KV 712 169-003	10	8KV 712 169-811	1 box	5
	Splice connectors 0.5 - 1.0	For blade terminal 8KW 744 703-003	red	8KV 744 858-003	50			
	1.5 - 2.5	8KW 744 704-003	blue	8KV 744 859-003	50			
	4.0 - 6.0	8KW 744 705-003	yellow	8KV 744 860-003	25			
	Cable connectors 1.0 - 1.5	Contents: 5 cable connectors 5 blade terminals				8KV 713 222-812	1 box	10
	Cable end bushes 0.5		orange	8KW 744 839-003	100			
	0.75		white	8KW 744 840-003	100			
	1.0		yellow	8KW 744 841-003	100			
	1.5		red	8KW 744 842-003	100			
	2.5		blue	8KW 744 843-003	100			
	4.0		grey	8KW 744 844-003	50			
	6.0		black	8KW 744 845-003	100			
	10.0		ivory	8KW 744 846-003	100			
	16.0		green	8KW 744 847-003	50			
		8KW 009 254-801	Crimp connector set Case with various crimp connectors, one junction connector, one coupling and one set crimping pliers (reorder quantity is not the same quantity in the set).					
	Part no.	Piece	Type	Connector width	Cable section sq. mm			
	8KW 044 276-003	20	Ring connector	M4	0.5 - 1.0			
	8KW 044 291-003	20	Ring connector	M5	0.5 - 1.0			
	8KW 044 036-003	20	Blade receptacle	6.3 x 0.8	0.5 - 1.0			
	8KW 702 796-003	20	Blade terminal	6.3 x 0.8	0.5 - 1.0			
	8KW 044 040-003	20	Round plug	M4	0.5 - 1.0			
	8KW 044 037-003	20	Fork connector	M5	1.5 - 2.5			
	8KW 044 022-003	20	Blade receptacle	6.3 x 0.8	1.5 - 2.5			
	8KW 044 028-003	20	Ring connector	M4	1.5 - 2.5			
	8KW 044 027-003	20	Ring connector	M5	1.5 - 2.5			
	8KW 044 039-003	20	Ring connector	M6	1.5 - 2.5			
	8KW 044 033-003	20	Butt connector		1.5 - 2.5			
	8KW 044 032-003	20	2-way connector	6.3 x 0.8	1.5 - 2.5			
	8KW 044 288-003	20	Blade terminal	6.3 x 0.8	1.5 - 2.5			
	8KW 045 145-003	20	Round plug socket	4	0.5 - 1.0			
	8KW 705 393-003	20	Blade receptacle	2.8 x 0.5	0.5 - 1.0			
	8KW 708 373-003	20	Blade receptacle fully insul.	6.3 x 0.8	0.5 - 1.0			
	8KW 044 029-003	20	Ring connector	M5	4.0 - 6.0			
	8KW 044 030-003	20	Ring connector	M6	4.0 - 6.0			
	8KW 705 123-002	20	Splice connector					
	8KW 044 035-003	20	Coupling	6.3 x 0.8				
	8PE 002 006-001	1	Crimping tool					
	9XX 863 802-001	1	Assortment case, empty without dividers					
	9XX 863 800-001	16	Dividers 9-1 for assortment case					
	9XX 863 800-011	4	Dividers 8-1 for assortment case					



Duraseal-completely insulated cable terminals					
with shrink-on nylon cap containing glue for water tight connection.					
Shrink-on nylon cap either with hot-air gun or other heat source - shrinking temperature 135 °C.					
Illustration	Type Cable section sq. mm	Description	Colour	Part no.	Pk. Pro-fit pack
	Blade receptacles completely insulated 0.5 - 1.0	For blade terminals 2.8 x 0.8 mm	red	8KW 744 761-003	25
	Blade receptacles completely insulated 0.5 - 1.0	For blade terminals 4.8 x 0.8 mm	red	8KW 744 762-003	25
	Blade receptacles completely insulated 0.5 - 1.0	For blade terminals 6.3 x 0.8 mm	red	8KW 732 566-003	25
	1.5 - 2.5		blue	8KW 732 567-003	25
	4.0 - 6.0		yellow	8KW 744 763-003	25
	Blade terminals 0.5 - 1.0	Size of blade terminals 6.3 x 0.8 mm	red	8KW 732 568-003	25
	1.5 - 2.5		blue	8KW 732 569-003	25
	Ring connectors 0.5 - 1.0	For M4 pins	red	8KW 732 570-003	25
	1.5 - 2.5		blue	8KW 732 571-003	25
	Ring connectors 0.5 - 1.0	For M5 pins	red	8KW 732 572-003	25
	1.5 - 2.5		blue	8KW 732 573-003	25
	4.0 - 6.0		yellow	8KW 732 574-003	25
	Ring connectors 1.5 - 2.5	For M6 pins	blue	8KW 732 575-003	25
	4.0 - 6.0		yellow	8KW 732 576-003	25
	Ring connectors 1.5 - 2.5	For M8 pins	blue	8KW 732 577-003	25
	4.0 - 6.0		yellow	8KW 732 578-003	25
	Ring connectors 1.5 - 2.5	For M10 pins	blue	8KW 744 754-003	25
	4.0 - 6.0		yellow	8KW 744 755-003	25
	Fork connectors 0.5 - 1.0	For M4 pins	red	8KW 744 756-003	25
	1.5 - 2.5	For M5 pins	blue	8KW 744 757-003	25
	4.0 - 6.0		yellow	8KW 744 759-003	25
	Fork connectors 1.5 - 2.5	For M5 pins	blue	8KW 744 758-003	25
	4.0 - 6.0		yellow	8KW 744 760-003	25
	Round plugs 0.5 - 1.0	4 mm dia.	red	8KW 744 765-003	25
	1.5 - 2.5	5 mm dia.	blue	8KW 744 766-003	25
	Round plug sockets completely insulated 0.5 - 1.0	4 mm dia.	red	8KW 744 767-003	25
	1.5 - 2.5		blue	8KW 744 768-003	25



Illustration	Type Cable section sq. mm	Description	Colour	Part no.	Pk. Pro-fit pack
	Pin connectors 0.5 - 1.0	2 mm dia.	red	8KW 744 764-003	25
	Butt connectors 0.5 - 1.0		red	8KW 732 579-003	25
	1.5 - 2.5		blue	8KW 732 580-003	25
	4.0 - 6.0		yellow	8KW 732 581-003	25

Crimp Terminals
with Nylon insulation, DIN 46237, -> 600V, -> 105 °C

Illustration	Type Cable section sq. mm	Description	Colour	Part no.	Pk.
	Ring connectors 0.5 - 1.0	For M3 pins	red	8KW 178 042-002	100
	0.5 - 1.0	For M4 pins	red	8KW 178 042-012	100
	0.5 - 1.0	For M5 pins	red	8KW 178 042-022	100
	0.5 - 1.0	For M6 pins	red	8KW 178 042-032	100
	0.5 - 1.0	For M8 pins	red	8KW 178 042-042	100
	0.5 - 1.0	For M10 pins	red	8KW 178 042-052	100
	Ring connectors 1.5 - 2.5	For M3 pins	blue	8KW 178 042-102	100
	1.5 - 2.5	For M4 pins	blue	8KW 178 042-112	100
	1.5 - 2.5	For M5 pins	blue	8KW 178 042-122	100
	1.5 - 2.5	For M6 pins	blue	8KW 178 042-132	100
	1.5 - 2.5	For M8 pins	blue	8KW 178 042-142	100
	1.5 - 2.5	For M10 pins	blue	8KW 178 042-152	100
	Ring connectors 4.0 - 6.0	For M4 pins	yellow	8KW 178 042-202	50
	4.0 - 6.0	For M5 pins	yellow	8KW 178 042-212	50
	4.0 - 6.0	For M6 pins	yellow	8KW 178 042-222	50
	4.0 - 6.0	For M8 pins	yellow	8KW 178 042-232	50
	4.0 - 6.0	For M10 pins	yellow	8KW 178 042-242	50
	Fork connectors 0.5 - 1.5	For M3 pins	red	8KW 178 045-002	100
	0.5 - 1.5	For M5 pins	red	8KW 178 045-012	100
	1.5 - 2.5	For M5 pins	blue	8KW 178 045-102	50
	1.5 - 2.5	For M6 pins	blue	8KW 178 045-112	50
	4.0 - 6.0	For M5 pins	yellow	8KW 178 045-202	50
	4.0 - 6.0	For M6 pins	yellow	8KW 178 045-212	50
	4.0 - 6.0	For M8 pins	yellow	8KW 178 045-222	50
	Butt connectors 0.5 - 1.5		red	8KW 178 043-002	100
	1.5 - 2.5		blue	8KW 178 043-012	50
	4.0 - 6.0		yellow	8KW 178 043-022	50
	Contact pin bushes 0.5 - 1.5	1.9 mm	red	8KW 178 044-002	100
	1.5 - 2.5	1.9 mm	blue	8KW 178 044-012	100
	4.0 - 6.0	2.8 mm	yellow	8KW 178 044-022	50

Crimp Terminals, Shrink Connectors

Completely Insulated



Illustration	Type Cable section sq. mm	Description	Colour	Part no.	Pk. Pro-fit pack
	Shrink-soldering connectors 0.7 - 2.4		green	8KW 177 727-002	20
	2.0 - 4.0		red	8KW 177 727-012	20
	3.5 - 8.0		blue	8KW 177 727-112	20
	7.5 - 12.0		yellow	8KW 177 727-212	20

CWT-soldering bushings
for wires sensitive to temperature where soldering is impossible.
 The soldering bushing is shrunk using a hot-air gun, but preferably with the reflector.
 The integrated solder ringmelts and the hot shrink tubing coated with adhesive connects to the insulation on the wire.
 After it has been heated the connection is soldered, insulated and mechanically balanced.
 Suitable as a high-quality connection for individual wires and for grounding the screening of coaxial wires.

Illustration	Type Cable section sq. mm	Max. diameter insulation mm	Colour	Part no.	Pk. Pro-fit pack
	CWT-soldering bushings 2 x 0.3 - 0.8	1.7	clear	8KW 744 890-013	50
	2 x 0.8 - 2.0	2.7	red	8KW 744 887-013	50
	2 x 1.0 - 2.0	4.3	blue	8KW 744 888-013	50
	2 x 4.0 - 6.0	5.8	yellow	8KW 744 889-013	50

	8KW 009 253-801		Duraseal crimp connector set Case with various Duraseal crimp connectors (reorder quantity is not the same as the quantity in he set).		
	Part no. spare parts	Piece	Type	Connector width	Cable section sq. mm
	8KW 732 579-003	15	Butt connector		0.5 - 1.0
	8KW 732 575-003	15	Ring connector	M6	1.5 - 2.5
	8KW 732 566-003	15	Blade receptacle	6.3 x 0.8	0.5 - 1.0
	8KW 744 766-003	15	Round plug	5.0	1.5 - 2.5
	8KW 732 580-003	15	Butt connector		1.5 - 2.5
	8KW 732 576-003	15	Ring connector	M6	4.0 - 6.0
	8KW 732 567-003	15	Blade receptacle	6.3 x 0.8	1.5 - 2.5
	8KW 744 768-003	15	Round plug socket	5,0	1.5 - 2,5
	8KW 732 581-003	15	Butt connector		4.0 - 6.0
	8KW 732 577-003	15	Ring connector	M8	1.5 - 2.5
	8KW 732 568-003	15	Blade terminal	6.3 x 0.8	0.5 - 1.0
	8KW 744 757-003	15	Fork connector	M4	1.5 - 2.5
	8KW 732 573-003	15	Ring connector	M5	1.5 - 2.5
	8KW 732 574-003	15	Ring connector	M5	4.0 - 6.0
	8KW 732 569-003	15	Blade terminal	6.3 x 0.8	1.5 - 2.5
	8KW 744 758-003	15	Fork connector	M5	1.5 - 2.5
	9XX 863 802-001	1	Assortment case, empty without dividers		
	9XX 863 800-011	16	Dividers 8-1 for assortment case		



Superseal-Assortments

	Part no.	Pk.	Superseal-Assortments
			Contents: 1 pin housing 1 bush housing 2 pin contacts 1.0 - 1.5 sq. mm 2 bush contacts 1.0 - 1.5 sq. mm 2 single conductor seals 1.8 - 2.4 mm dia. 2 single conductor seals 2.6 - 3.3 mm dia.
	8KW 744 805-801	1	Superseal set, 1-pole
			Contents: 1 pin housing 1 bush housing 3 pin contacts 1.0 - 1.5 sq. mm 3 bush contacts 1.0 - 1.5 sq. mm 4 single conductor seals 1.8 - 2.4 mm dia. 4 single conductor seals 2.6 - 3.3 mm dia. 2 dummy plugs
	8KW 744 806-801	1	Superseal set, 2-pole
			Contents: 1 pin housing 1 bush housing 4 pin contacts 1.0 - 1.5 sq. mm 4 bush contacts 1.0 - 1.5 sq. mm 6 single conductor seals 1.8 - 2.4 mm dia. 6 single conductor seals 2.6 - 3.3 mm dia. 4 dummy plugs
	8KW 744 807-801	1	Superseal set, 3-pole
			Contents: 1 pin housing 1 bush housing 5 pin contacts 1.0 - 1.5 sq. mm 5 bush contacts 1.0 - 1.5 sq. mm 8 single conductor seals 1.8 - 2.4 mm dia. 8 single conductor seals 2.6 - 3.3 mm dia. 6 dummy plugs
	8KW 744 808-801	1	Superseal set, 4-pole
			Contents: 1 pin housing 1 bush housing 6 pin contacts 1.0 - 1.5 sq. mm 6 bush contacts 1.0 - 1.5 sq. mm 10 single conductor seals 1.8 - 2.4 mm dia. 10 single conductor seals 2.6 - 3.3 mm dia. 8 dummy plugs
	8KW 744 809-801	1	Superseal set, 5-pole
			Contents: 1 pin housing 1 bush housing 7 pin contacts 1.0 - 1.5 sq. mm 7 bush contacts 1.0 - 1.5 sq. mm 12 single conductor seals 1.8 - 2.4 mm dia. 12 single conductor seals 2.6 - 3.3 mm dia. 10 dummy plugs
	8KW 744 810-801	1	Superseal set, 6-pole



Superseal connectors



Type	Pole	Part no.	Pk. Pro-fit-pack
Pin housing	1-pole	8JA 746 183-012	10
Bush housing	1-pole	8JA 746 184-012	10
Pin housing	2-pole	8JA 746 183-022	10
Bush housing	2-pole	8JA 746 184-022	10
Pin housing	3-pole	8JA 746 183-032	10
Bush housing	3-pole	8JA 746 184-032	10
Pin housing	4-pole	8JA 746 183-042	10
Bush housing	4-pole	8JA 746 184-042	10
Pin housing	5-pole	8JA 746 183-052	10
Bush housing	5-pole	8JA 746 184-052	10
Pin housing	6-pole	8JA 746 183-062	10
Bush housing	6-pole	8JA 746 184-062	10
Pin contact	1.0 - 1.5 sq. mm	8KW 744 836-002	50
Bush contact	1.0 - 1.5 sq. mm	8KW 744 837-002	50
Single conductor seal	1.8 - 2.4 mm dia. 2.6 - 3.3 mm dia.	9GD 746 185-002 9GD 746 186-002	50 50
Dummy plug		9GD 746 187-002	50



8JA 009 256-801	Superseal connector set Case with various Superseal plug housings, pin/socket contacts, single conductor seals and dummy plugs (reorder quantity is not the same as the quantity in the set).		
Part no. spare parts	Piece	Type	Cable section
9GD 746 185-002	100	Single conductor seal	1.8 - 2.4 mm
9GD 746 187-002	100	Dummy plug	
8KW 744 836-002	100	Pin contact	1.0 - 1.5 sq. mm
8KW 744 837-002	100	Bush contact	1.0 - 1.5 sq. mm
8JA 746 183-012	5	Pin housing, 1-pole	
8JA 746 184-012	5	Bush housing, 1-pole	
8JA 746 183-022	5	Pin housing, 2-pole	
8JA 746 184-022	5	Bush housing, 2-pole	
8JA 746 183-032	5	Pin housing, 3-pole	
8JA 746 184-032	5	Bush housing, 3-pole	
8JA 746 183-042	5	Pin housing, 4-pole	
8JA 746 184-042	5	Bush housing, 4-pole	
8JA 746 183-052	5	Pin housing, 5-pole	
8JA 746 184-052	5	Bush housing, 5-pole	
8JA 746 183-062	5	Pin housing, 6-pole	
8JA 746 184-062	5	Bush housing, 6-pole	
9XX 863 802-001	1	Assortment case, empty without dividers	
9XX 863 800-001	4	Dividers 9-1 for assortment case	
9XX 863 800-011	10	Dividers 8-1 for assortment case	
9XX 863 800-021	2	Dividers 7-1 for assortment case	



Illustration	Type Cable section sq. mm	Size of blade terminals mm	Material / Surface	Part no.	Pk. Pro-fit-pack
	Blade receptacles 0.5 - 1.0	4.8 x 0.8	CuZn/bk	8KW 744 828-003	100
	0.5 - 1.0	6.3 x 0.8	CuZn/bk	8KW 043 629-013	100
	1.5 - 2.5	6.3 x 0.8	CuZn/AG	8KW 744 825-003	100
	1.5 - 2.5	6.3 x 0.8	CuZn/bk	8KW 043 630-013	100
	1.5 - 2.5	6.3 x 0.8	CuZn/bk	8KW 043 630-014	1500
	Blade receptacles 4.0 - 6.0	9.5 x 1.2	CuSn/bk	8KW 744 787-003	50
	Blade receptacles 0.5 - 1.0	6.3 x 0.8	CuSn/Sn	8KW 744 827-003	100
	Blade receptacles with locking tab 0.5 - 1.0	2.8 x 0.8	CuSn/Sn	8KW 744 817-003	100
	0.5 - 1.0	4.8 x 0.8	CuZn/Sn	8KW 733 815-003	100
	0.5 - 1.0	6.3 x 0.8	CuZn/bk	8KW 744 819-003	100
	1.5 - 2.5	6.3 x 0.8	CuZn/Sn	8KW 701 235-033	100
	1.5 - 2.5	6.3 x 0.8	CuZn/bk	8KW 701 235-014	1000
	1.5 - 2.5	6.3 x 0.8	CuZn/Sn	8KW 701 235-034	1500
	Soldered pin	6.3 x 0.8	CuSn/frSn	8KW 719 874-007	2500
	1.5 - 2.5	6.3 x 0.8	CuZn/Ag	8KW 744 820-003	100
	Blade receptacles with locking tab 1.5 - 2.5	6.3 x 0.8	CuSn/Ag	8KW 744 821-003	100
	1.5 - 2.5	6.3 x 0.8	CuSn/Sn	8KW 744 821-013	100
	Blade terminals 0.5 - 1.0	2.8 x 0.8	CuZn/bk	8KW 744 752-003	100
	0.5 - 1.0	6.3 x 0.8	CuSn/Sn	8KW 043 635-013	100
	1.5 - 2.5	6.3 x 0.8	CuZn/bk	8KW 744 823-003	100
	Blade terminals with locking tab 0.5 - 1.0	2.8 x 0.8	CuZn/Sn	8KW 744 834-003	100
	0.5 - 1.0	2.8 x 0.8	CuSn/Sn	8KW 744 879-003	100
	0.5 - 1.0	6.3 x 0.8	CuZn/frSn	8KW 744 832-003	100
	1.5 - 2.5	6.3 x 0.8	CuZn/frSn	8KW 048 056-033	100
	1.5 - 2.5	6.3 x 0.8	CuZn/Ag	8KW 744 833-003	100
	2-way connectors 0.5 - 1.0	4.8 x 0.8	CuZn/Sn	8KW 744 803-003	100
	0.5 - 1.0	6.3 x 0.8	CuZn/bk	8KW 701 671-003	100
	1.5 - 2.5	4.8 x 0.8	CuZn/Sn	8KW 744 830-003	100
	1.5 - 2.5	6.3 x 0.8	CuZn/Sn	8KW 744 885-003	100
	2-way connectors	6.3 x 0.8	CuZn/bk	8KW 043 636-003	100

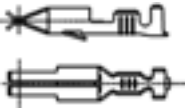
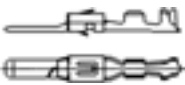
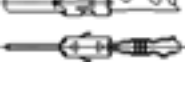
Crimp Terminals

Non-Insulated



Illustration	Type Cable section sq. mm	Size of blade terminals mm	Material / Surface	Part no.	Pk. Pro-fit-pack
	3-way connectors	4.8 x 0.8	CuZn/bk	8KW 744 831-003	100
		6.3 x 0.8	CuZn/Sn	8KW 700 144-003	50
	Coupling 45 degrees	6.3 x 0.8 4.2 mm dia.	CuZn/Sn	8KW 044 285-023	100
	Cable lugs for ground tap, ignition coils	6.3 x 0.8 4.2 mm dia.	CuZn/Sn	8KW 744 848-003	100
	Blade terminals 45 degrees	6.3 x 0.8 6.3 mm dia.	CuZn/Sn	8KW 744 804-003	100
	Cable lugs for ground tap, ignition coils	6.3 x 0.8	CuZn/Sn	8KW 744 802-003	50
	Blade terminals 45 degrees	6.3 x 0.8 5.3 mm dia.	CuZn/Sn	8KW 744 801-013	100
	Insulating sleeve for blade receptacles For blade terminals Size of blade terminals 6.3 x 0.8 mm			8KX 707 925-003	50
				8KX 707 924-003	50
	8KW 009 255-801		F-Plan crimp connector set, not insulated Case with various uninsulated connectors (reorder quantity is not the same as the quantity in the set).		
	Part no. spare parts	Piece	Type	Connector width	Cable section sq. mm
	8KW 744 817-003	50	Blade receptacle w. lock. tab	2.8 x 0.8	0.5 - 1.0
	8KW 744 828-003	50	Blade receptacle	4.8 x 0.8	0.5 - 1.0
	8KW 744 834-003	50	Blade terminal w. lock. tab	2.8 x 0.8	0.5 - 1.0
	8KW 744 818-00	50	Blade receptacle w. lock. tab	4.8 x 0.8	0.5 - 1.0
	8KW 043 629-013	50	Blade receptacle	6.3 x 0.8	0.5 - 1.0
	8KW 744 832-003	50	Blade terminal w. lock. tab	6.3 x 0.8	0.5 - 1.0
	8KW 744 819-003	50	Blade receptacle w. lock. tab	6.3 x 0.8	0.5 - 1.0
	8KW 043 630-013	50	Blade receptacle	6.3 x 0.8	1.5 - 2.5
	8KW 048 056-033	50	Blade terminal w. lock. tab	6.3 x 0.8	1.5 - 2.5
	8KW 701 235-003	50	Blade receptacle w. lock. tab	6.3 x 0.8	1.5 - 2.5
	8KW 744 787-003	20	Blade receptacle	9.5 x 1.2	4.0 - 6.0
	8KW 744 823-033	50	Blade terminal	6.3 x 0.8	1.5 - 2.5
	8KW 043 636-003	20	2-way connector	6.3 x 0.8	
	8KW 700 144-003	20	3-way connector	6.3 x 0.8	
	8KW 744 885-003	20	2-way connector	6.3 x 0.8	1.5 - 2.5
	8KW 744 821-003	20	Blade receptacle w. lock. tab	6.3 x 0.8	1.5 - 2.5
	8KW 744 827-003	20	Blade receptacle	6.3 x 0.8	0.5 - 1.0
	8KW 744 804-003	20	Blade terminal 45 degrees	6.3 x 0.8	
	8KW 044 035-003	20	Coupling	6.3 x 0.8	
	9XX 863 802-001	1	Assortment case, empty without dividers		
	9XX 863 800-001	8	Dividers 9-1 for assortment case		
	9XX 863 800-011	12	Dividers 8-1 for assortment case		



Illustration	Type Cable section sq. mm	Size of blade terminals mm	Material / Surface	Part no.	Pk. Pro-fit-pack
   	Micro Timer II Blade receptacles 0.5 - 1.0 for single conductor seal	1.6 x 0.8	CuFe/Sn CuFe/Sn	8KW 863 933-003 8KW 863 933-013	50 50
	Blade terminals 0.5 - 1.0 for single conductor seal		CuFe/Sn CuSn/Sn	8KW 863 932-003 8KW 863 932-013	50 50
	Single conductor seals 1.4 x 1.9 mm		Silicon grey	9GD 863 952-012	50
	Dummy plug		Silicon white	9GD 863 952-002	50
  	Junior Timer Blade receptacles with one catch spring 0.5 - 1.0 1.0 - 2.5	2.8 x 0.8	CuZn/Sn CuZn/Sn	8KW 863 926-003 8KW 863 926-013	50 50
	Blade terminals with asymmetric upper steel spring 0.5-1.0 with symmetric upper steel spring		CuFe/Sn CuFe/Sn	8KW 863 931-003 8KW 863 930-003	50 50
	Junior Power Timer Blade receptacles 0.5 - 1.0 1,0 - 2,5 for single conductor seal 0.5 - 1.0	2.8 x 0.8	CuSn/Sn CuSn/Sn CuSn/Sn	8KW 863 934-003 8KW 863 934-023 8KW 863 934-024 8KW 863 934-013	50 50 1000 50
	Blade terminals with asymmetric upper steel spring 0.5 - 1.0 with symmetric upper steel spring with symmetric upper steel spring for single conductor seal		CuFe/Sn CuSn/Sn CuSn/Sn	8KW 863 931-003 8KW 863 930-003 8KW 863 930-013	50 50 50
 	Single conductor seals 1.2 - 2.1 mm		Silicon blue	9GD 863 953-012	50
	Dummy plugs		Silicon nature	9GD 863 953-002	50

Crimp Terminals

Non-Insulated



Illustration	Type Cable section sq. mm	Size of blade terminals mm	Material / Surface	Part no.	Pk. Pro-fit-pack
	Standard Timer Blade receptacles with one catch spring 0.5 - 1.5	4.8/5.8/6.8 x 0.8	CuZn/Sn	8KW 863 925-003	50
	1.0 - 2.5		CuSn/Sn	8KW 863 925-013	50
	Blade terminals with symmetric upper steel spring 0.5-1.0	5.8 x 0.8	CuFe/Sn	8KW 863 928-003	50
	1.5 - 2.5		CuFe/Sn	8KW 863 928-013	50
	Standard Power Timer Blade receptacles 0.5 - 1.0	4.8/5.8/6.8 x 0.8	CuFe/Sn	8KW 863 927-003	50
	1.5 - 2.5		CuFe/Sn	8KW 863 927-013	50
	2.5 - 4.0		CuFe/Sn	8KW 863 927-023	50
	for single conductor seal 1.5 - 2.5		CuFe/Sn	8KW 863 927-033	50
	Blade terminals with symmetric upper steel spring 0.5 - 1.0	5.8 x 0.8	CuFe/Sn	8KW 863 928-003	50
	1.5 - 2.5		CuFe/Sn	8KW 863 928-013	50
	2.5 - 4.0		CuFe/Sn	8KW 863 928-023	50
	with symmetrical upper steel spring for single conductor seal 1.5 - 2.5		CuFe/Sn	8KW 863 928-033	50
	Single conductor seals 2.2 - 3.0 mm		Silicon white	9GD 863 954-012	50
	Dummy plugs		Silicon black	9GD 863 954-002	50
	Maxi Power Timer Blade receptacles for single conductor seal 2.5 - 4.0	9.5 x 1.2	CuNi/Sn	8KW 863 951-003	10
	4.0 - 6.0		CuNi/Sn	8KW 863 951-013	10
	6.0 - 10.0		CuNi/Sn	8KW 863 951-023	10
	Single conductor seals 4.7 - 5.3 mm		Silicon blue	9GD 863 961-012	10
	5.8 - 6.6 mm		Silicon light blue	9GD 863 961-022	10



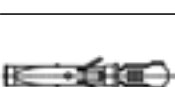
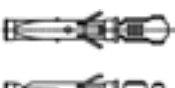
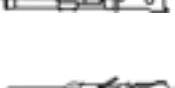
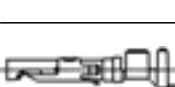
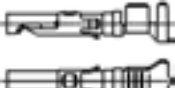
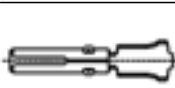
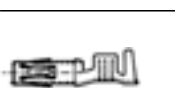
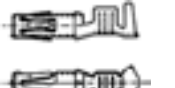
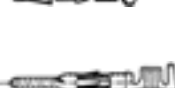
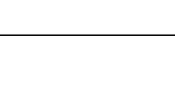
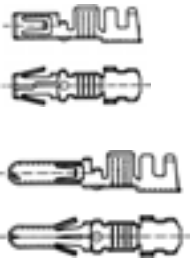
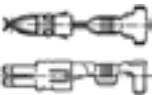
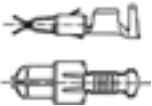
Illustration	Type Cable section sq. mm	Size / mm	Material/Surface	Part no.	Pk. Pro-fit-pack
 	Plug connectors: CIC	1.6	CuZn/Sn	8KW 863 918-003	50
	Bush contact				
	0.5 - 1.5				
	1.0 - 2.5		CuSn/Sn	8KW 863 918-013	50
 	Pin contact	1.6	CuZn/Sn	8KW 863 919-003	50
	0.5 - 1.5				
	1.0 - 2.5		CuZn/Sn	8KW 863 919-013	50
 	Plug connectors: Type III for M.series	1.6	CuZn/Sn	8KW 863 945-003	50
	Bush contact				
	0.75 - 1.5				
	0.2 - 0.56		CuSn/Sn	8KW 863 945-013	50
 	Pin contact	1.6	CuZn/Sn	8KW 863 929-003	50
	0.75 - 1.5				
	0.2 - 0.56		CuSn/Sn	8KW 863 929-013	50
 	Plug connectors: CI 2	1.6	CuSn/Sn	8KW 863 917-013	50
	Bush contact				
	0.5 - 1.0				
	1.0 - 2.5		CuSn/Sn	8KW 863 917-003	50
 	Pin contact	1.6	CuZn/Sn	8KW 863 924-003	50
	0.5 - 1.5				
	1.0 - 2.5		CuZn/Sn	8KW 863 924-013	50
 	Plug connectors: Mate-N-Lock	2.1	CuZn/Sn	8KW 863 916-003	50
	Bush contact				
	0.5 - 1.0				
	1.0 - 2.5		CuZn/Sn	8KW 863 916-013	50
 	Pin contact	2.1	CuZn/Sn	8KW 863 915-013	50
	0.5 - 1.0				
	1.0 - 2.5		CuZn/Sn	8KW 863 915-003	50
 	Plug connectors: Universal Mate-N-Lock	2.1	CuSn/Sn	8KW 863 923-003	50
	Bush contact				
	0.5 - 2.1				
	1.5 - 2.5		CuZn/Sn	8KW 863 923-013	50
 	Pin contact	2.1	CuZn/Sn	8KW 863 922-013	50
	0.5 - 2.1				
	1.5 - 2.5		CuZn/Sn	8KW 863 922-003	50
 	Cable connectors for Coni-Round plug system	1.6 dia.	CuZn/frSn	8KW 054 946-003	50
	0.75 - 1.5 Sleeve				
	1.5 - 2.5 Sleeve	1.6 dia.	CuZn/frSn	8KW 744 864-003	50
 	0.75 - 1.5 Plug	1.6 dia.	CuSn/frSn	8KW 054 945-003	50
	1.5 - 2.5 Plug	1.6 dia.	CuZn/frSn	8KW 744 866-003	50



Illustration	Type Cable section sq. mm	Plug / screw mm	Material / Surface	Part no.	Pk. Pro-fit-pack
	RAM-Round plug systems 1.5 - 2.5 Sleeve	3.5 dia.	CuZn/frSn	8KW 054 948-003	50
	4.0 - 6.0 Sleeve	3.5 dia.	CuZn/frSn	8KW 054 948-013	50
	1.5 - 2.5 Plug	3.5 dia.	CuSn/frSn	8KW 054 947-003	50
	4.0 - 6.0 Plug	3.5 dia.	CuSn/frSn	8KW 054 947-013	50
	RSA-Round plug systems 1.5 - 2.5 Sleeve	1.6 dia.	CuSn/frSn	8KW 054 950-003	50
	1.5 - 2.5 Plug	1.6 dia.	CuSn/frSn	8KW 054 949-003	50
	MDK5-Blade receptacles 0.5 - 1.0	2.8/4.8 x 0.8	CuSn/frSn	8KW 054 942-003	50
	1.5 - 2.5	2.8/4.8 x 0.8	CuSn/frSn	8KW 054 941-003	50
	DFK 2-Blade receptacles 1.5 - 2.5	4.8 + 6.3 x 0.8	CuSn/frSn	8KW 054 944-003	50
	2.5 - 4.0	4.8 + 6.3 x 0.8	CuSn/frSn	8KW 054 943-003	50
	AFK-Blade receptacles 1.5 - 2,5	4,8 + 6,3 x 0,8	CuFe/frSn	8KW 172 971-002 8KW 172 971-003	50 1000



CONI housings for round plug connections
Splash-proof, 1.6 mm dia., for cable cross-section 0.2 - 2.5 sq. mm, max. 250V

Illustration	Description	Pole	Part no.	Pk. Pro-fit pack
 	Pin housing	3-pole	8KW 744 851-003	10
	Bush housing	3-pole	8KW 744 854-003	10
 	Pin housing	6-pole	8KW 744 852-003	10
	Bush housing	6-pole	8KW 744 855-003	10
 	Pin housing	12-pole	8KW 744 853-003	10
	Bush housing	12-pole	8KW 744 857-003	10
 	Pin housing	15-pole	8KW 744 886-003	10
	Bush housing	15-pole	8KW 744 856-003	10



Solder-free tubular cable lugs
for pressing, ring-shaped, made of copper, tin-plated

Illustration	Type Cable section sq. mm	Eyelet hole dia.	For screw	Part no.	Pk. Pro-fit-pack
	> 1.0 - 2.5	3.2	M3	8KW 744 708-003	100
	> 1.0 - 2.5	4.3	M4	8KW 744 709-003	100
	> 1.0 - 2.5	5.3	M5	8KW 744 710-003	100
	> 1.0 - 2.5	6.5	M6	8KW 744 711-003	100
	> 2.5 - 6.0	4.3	M4	8KW 744 712-003	100
	> 2.5 - 6.0	5.3	M5	8KW 744 713-003	100
	> 2.5 - 6.0	6.5	M6	8KW 744 714-003	100
	> 2.5 - 6.0	8.4	M8	8KW 744 715-003	50
	> 6.0 - 10.0	5.3	M5	8KW 744 716-003	50
	> 6.0 - 10.0	6.5	M6	8KW 744 717-003	50
	> 6.0 - 10.0	8.4	M8	8KW 744 718-003	50
	> 6.0 - 10.0	10.5	M10	8KW 744 719-003	50
	> 10.0 - 16.0	5.3	M5	8KW 744 720-003	50
	> 10.0 - 16.0	6.5	M6	8KW 744 721-003	50
	> 10.0 - 16.0	8.4	M8	8KW 744 722-003	50
	> 10.0 - 16.0	10.5	M10	8KW 744 723-003	50
	> 16.0 - 25.0	6.5	M6	8KW 744 724-003	25
	> 16.0 - 25.0	8.4	M8	8KW 744 725-003	25
	> 16.0 - 25.0	10.5	M10	8KW 744 726-003	25
	> 25.0 - 35.0	6.5	M6	8KW 744 727-003	25
	> 25.0 - 35.0	8.4	M8	8KW 744 728-003	25
	> 25.0 - 35.0	10.5	M10	8KW 744 729-003	25
	> 35.0 - 50.0	8.4	M8	8KW 744 730-003	10
	> 35.0 - 50.0	10.5	M10	8KW 744 731-003	10
	> 35.0 - 50.0	13.0	M12	8KW 744 732-003	10
	> 50.0 - 70.0	8.4	M8	8KW 746 778-003	10
	> 50.0 - 70.0	10.5	M10	8KW 746 779-003	10
	> 50.0 - 70.0	13.0	M12	8KW 746 783-003	10
	> 70.0 - 95.0	10.5	M10	8KW 746 780-003	2
	> 70.0 - 95.0	13.0	M12	8KW 746 781-003	2
	> 95.0 - 120.0	13.0	M12	8KW 746 782-003	2



Crimp Terminals

Special Crimping Tools

Solder tubular cable lugs
(DIN 42 611), ring-shaped, brass, tin-plated, non-insulated

Illustration	Type Cable section sq. mm	Eyelet hole dia.	For screw	Part no.	Pk. Pro-fit-pack
	> 1.5 - 2.5	6.5	M6	8KW 177 784-012	100
	> 2.5 - 6.0	6.5	M6	8KW 177 784-102	50
	> 6.0 - 10.0	6.5	M6	8KW 177 784-202	25
	> 10.0 - 16.0	6.5	M6	8KW 177 784-302	50
	> 2.5 - 6.0	8.4	M8	8KW 177 784-112	50
	> 6.0 - 10.0	8.4	M8	8KW 177 784-212	25
	> 10.0 - 16.0	8.4	M8	8KW 177 784-312	25
	> 16.0 - 25.0	8.4	M8	8KW 177 784-402	10
	> 25.0 - 35.0	8.4	M8	8KW 177 784-502	10
	> 2.5 - 6.0	10.5	M10	8KW 177 784-122	50
	> 6.0 - 10.0	10.5	M10	8KW 177 784-222	25
	> 10.0 - 16.0	10.5	M10	8KW 177 784-322	25
	> 16.0 - 25.0	10.5	M10	8KW 177 784-412	10
	> 25.0 - 35.0	10.5	M10	8KW 177 784-512	10
	> 35.0 - 50.0	10.5	M10	8KW 177 784-602	5
	> 50.0 - 70.0	10.5	M10	8KW 177 784-702	5
	> 10.0 - 16.0	13.0	M12	8KW 177 784-332	25
	> 16.0 - 25.0	13.0	M12	8KW 177 784-422	10
	> 25.0 - 35.0	13.0	M12	8KW 177 784-522	10
	> 35.0 - 50.0	13.0	M12	8KW 177 784-612	5
	> 50.0 - 70.0	13.0	M12	8KW 177 784-712	5



Part no.

Pk.

Special crimping tools

For crimping cable terminals and butt connectors with insulation. Even low force application ensures extremely high contact pressure. This guarantees crimp connections with maximum contact and high electrical values. Catch mechanism guarantees uniform contact pressure.

8PE 002 007-001

1

Special "Pro I" crimping tool for insulated crimp terminals, cable cross-section 0.5 - 6.0 sq. mm (red, blue, yellow)



8PE 002 007-011

1

Special "Pro II" crimping tool for non-insulated crimp terminals, cable cross-section 0.5 - 6.0 sq. mm

Not suitable for crimping butt connectors with insulators.



8PE 002 006-001

1

Suitable for cutting bolts with threads in conformance with ISO from M2.6 - M3.5 and for shortening and stripping insulation on conductors with cross-section from 0.75 - 6.0 sq. mm.

Special "Expert" crimping tool for insulated crimp terminals, cable cross-section 0.5 - 6.0 sq. mm (red, blue, yellow)

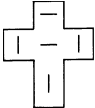
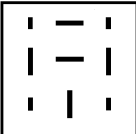
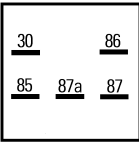
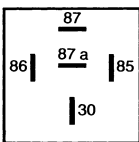
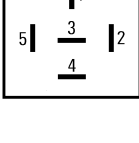
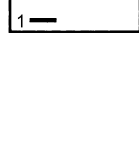
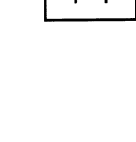
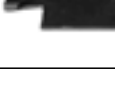
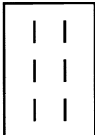


	Part no.	Pk.	Sockets
	8JD 008 151-001	10	For receiving one 6.3 mm blade receptacles. Socket, 1-pole
	8JD 008 151-011	10	For receiving two 6.3 mm blade receptacles. Socket, 2-pole
	8JD 008 151-021	10	For receiving two 6.3 mm blade receptacles. Socket, 2-pole
	8JD 008 151-031	10	For receiving three 6.3 mm blade receptacles. Socket, 3-pole
	8JD 008 151-041	10	For receiving four 6.3 mm blade receptacles. Socket, 4-pole
	8JD 008 151-051	10	For receiving six 6.3 mm blade receptacles. Socket, 6-pole
	8JD 008 151-061	10	For receiving eight 6.3 mm blade receptacles. Socket, 8-pole
	8JD 008 152-001	10	For receiving one 6.3 mm blade terminal. Sockets
	8JD 008 152-011	10	For receiving two 6.3 mm blade terminals. Socket, 1-pole
	8JD 008 152-021	10	For receiving two 6.3 mm blade terminals. Socket, 2-pole

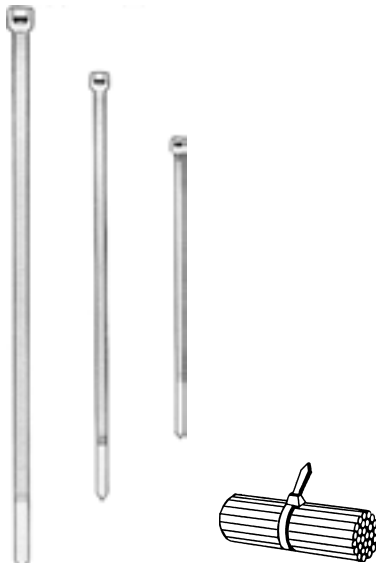


	Part no.	Pk.	Sockets For receiving three 6.3 mm blade terminals.
	8JD 008 152-031	10	Socket, 3-pole
	8JD 008 152-041	10	Socket, 4-pole
	8JD 008 152-051	10	Socket, 6-pole
			For receiving four 6.3 mm blade terminals.
			For receiving six 6.3 mm blade terminals.
	8JD 008 152-061	10	Socket, 8-pole
			Contents: 1 socket, 1-pole 8JD 008 152-001 1 socket, 2-pole 8JD 008 152-011 1 socket, 1-pole 8JD 008 151-001 1 socket, 2-pole 8JD 008 151-011
8JD 008 152-801			1 Socket set Pro-fit pack
	8JA 713 631-001	10	Sockets For receiving max. eight 6.3 mm blade terminals. Socket, 8-pole
	8JA 715 600-001	10	For bulb holders 9FF 713 627-001/-011. Socket, 2-pole
	8JA 711 375-001	5	For receiving max. nine 6.3 mm blade terminals. Socket, 9-pole Self-service box
	8JA 001 926-001	10	For receiving max. eight 6.3 mm blade terminals. For switches in model range 6HF 001 579-... Socket, 8-pole Self-service box
	8JA 715 606-001	50	Sockets for relays For mini-relays. With SAE terminal arrangement, 5-pole. For receiving five 6.3 mm blade receptacles. Made of black plastic. Socket, 5-pole
	8JA 717 291-007	100	For mini-relays. With SAE terminal arrangement, 5-pole. For receiving five 6.3 mm blade receptacles. Made of black plastic. For mounting on PCB's. Socket, 5-pole

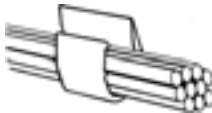


		Part no.	Pk.	Sockets for relays For mini-relays. With SAE terminal arrangement, 5-pole. For receiving five 6.3 mm blade receptacles 8KW 719 874-007. Made of black plastic.
		8JD 733 963-001	5	Socket, 5-pole
		8JA 003 526-001 8JA 003 526-002	5 50	For mini-relays. With SAE terminal arrangement, 9-pole. For receiving five 6.3 mm blade receptacles and four 2.8 mm blade receptacles. Made of black plastic.
		8JD 745 802-001	1	For waterproof mini-relays with circuit diagram D. Connecting cable 30 cm, 48 cm.
		8JD 745 801-001	1	For waterproof ISO mini-relays with circuit diagram B1. Connecting cable 30 cm, 48 cm.
		8JD 745 803-001	1	For waterproof ISO Minirelais 4RD 960 388-221/-711 and 4RD 930 141-141 with circuit diagram B1. Connecting cable 30 cm, 48 cm.
		8JD 733 767-001	5	For micro-relays. With SAE terminal arrangement, 5-pole. For receiving three 4.8 mm blade receptacles and two 6.3 mm blade receptacles. Made of black plastic.
		8JD 733 962-001	5	For micro-relays. With SAE terminal arrangement, 5-pole. For receiving three 4.8 mm blade receptacles and two 6.3 mm blade receptacles. Made of black plastic.
		9NH 701 230-001	10	Socket for flasher units 6-pole. For receiving six 6.3 mm blade terminals. Made of black plastic.
		9KB 710 131-001	10	Retaining spring for relays For mounting mini-relays. Retaining spring



	Part no.	Pk.	Plastic cable straps non detachable		
			Material: polyamid 6.6). Flammability class: UL 94 V2. Other characteristics: free of halogen, free of silicone. Temperature stability: -40 °C to +85 °C.		
			SB-box		
			Colour	Size mm	For cable loom up to
	8HL 707 877-002	100	Natural	100 x 2.5	22 mm dia.
	8HL 717 962-001	100	Black		
	8HL 707 877-012	100	Natural	140 x 3.6	33 mm dia.
	8HL 717 962-011	100	Black		
	8HL 707 877-081	100	Natural	160 x 4.8	36 mm dia.
	8HL 717 962-161	100	Black		
	8HL 707 877-022	100	Natural	195 x 4.7	48 mm dia.
	8HL 717 962-021	100	Black		
	8HL 707 877-121	100	Natural	200 x 2.5	49 mm dia.
	8HL 717 962-131	100	Black		
	8HL 717 962-061	100	Black	200 x 7.6	50 mm dia.
	8HL 707 877-091	100	Natural	200 x 3.6	55 mm dia.
	8HL 717 962-171	100	Black		
	8HL 717 962-111	100	Black	292 x 7.6	77 mm dia.
	8HL 707 877-101	100	Natural	292 x 3.6	75 mm dia.
	8HL 717 962-141	100	Black		
	8HL 707 877-041	100	Natural	280 x 4.8	70 mm dia.
	8HL 717 962-031	100	Black		
	8HL 707 877-032	100	Natural	360 x 4.8	100 mm dia.
	8HL 717 962-041	100	Black		
	8HL 707 877-051	50	Natural	368 x 7.6	102 mm dia.
	8HL 717 962-051	100	Black		
	8HL 707 877-141	100	Natural	430 x 4.8	120 mm dia.
	8HL 717 962-181	100	Black		
	8HL 707 877-131	50	Natural	580 x 13.0	152 mm dia.
	8HL 717 962-121	50	Black	612 x 9.0	194 mm dia.



	Part no.	Pk.	Steel cable straps non detachable Material: stainless steel, type 316, DIN 14300/1. Colour: metal. Temperature stability: -80 °C to +540 °C. The cable straps have rounded edges and a non-detachable lock head with ball. They are resistant to chemicals and saltwater. SB-box <table><tr><th>Size mm</th><th>For cable loom up to</th></tr><tr><td>200 x 8.0</td><td>50 mm dia.</td></tr><tr><td>500 x 8.0</td><td>152 mm dia.</td></tr></table>	Size mm	For cable loom up to	200 x 8.0	50 mm dia.	500 x 8.0	152 mm dia.
	Size mm	For cable loom up to							
	200 x 8.0	50 mm dia.							
	500 x 8.0	152 mm dia.							
8HL 744 917-002	50	200 x 8.0	50 mm dia.						
8HL 744 865-002	50	500 x 8.0	152 mm dia.						
 	8HL 717 964-001	100	Accessories for plastic cable straps Self-adhesive, natural coloured cable clip for cable looms, up to 7.1 mm dia. Size: 25 x 25 mm. Cable clips SB-box						
	8HL 717 964-011	100	For cable looms, up to 4.1 mm dia. Size: 16 x 14.7 mm. Cable clips SB-box						
	 	8HL 707 879-012	100	Natural coloured self-adhesive plate for attachment of cable looms to flat, smooth, grease-free body parts and wall surfaces. Additional screw fixing with M3 screw also possible. For cable straps up to 5.7 mm width. Size: 27.7 x 27.7 x 5.7 mm. Self-adhesive plates SB-box					
		 	8HL 707 878-002	100	Natural coloured expanding clip for attaching cable looms to body parts and wall surfaces up to 3.5 mm thick. (Hole 6 mm dia.). For cable straps up to 4.8 mm width. Expanding clips SB-box				



Part no.	Pk.	Plastic insulating tapes
		10 m long. Soft PVC, adhesive on one side. Characteristics: high adhesive strength, soft and smooth, self-extinguishing, lead-free, easy to process. Complies with VDE, ÖVE and SEV according to type approval IEC 60454-3-1-10/F-PVCp/105. Tape width: 15 mm. Tape thickness: 0.15 mm. Temperature stability: -10 °C to +105 °C. Tensile strength: approx. 20.0 N/cm. Elongation at tear: approx. 190%. Adhesive strength on steel: 1.8 N/cm. Dielectric strength: 40 KV/MM.
9MJ 707 869-852	2	Pro-fit pack
9MJ 707 874-821	2	Black Red
9MJ 707 869-013	10	10 m long, in self-service box Black
9MJ 707 870-013	10	White
9MJ 707 871-013	10	Yellow
9MJ 707 873-013	10	Grey
9MJ 707 874-013	10	Red
9MJ 707 875-013	10	Blue
9MJ 707 869-003	10	4.5 m long, in self-service box Black
9MJ 707 870-003	10	White
9MJ 707 871-003	10	Yellow
9MJ 707 872-003	10	Green
9MJ 707 873-003	10	Grey
9MJ 707 874-003	10	Red
9MJ 707 875-003	10	Blue
9MJ 710 108-001	10	Tape lenght 10 m. Tape width: 15 mm. Tape thickness: 0.15 mm. Tensile strength: approx. 20.0 N/cm. Elongation at tear: approx. 190%. Adhesive strength on steel: 2.0N/cm. Dielectric strength: 40 KV/MM. Not VDE-tested. Black
9MJ 735 430-001	1	Self-bonding tape Tape lenght 5 m. For repairing damaged cables. Tape width 19 mm. Tape thickness: 1.0 mm. Tensile strength: > 5.0 N/cm. Elongation at tear: approx. 55 %. Dielectric strength: 12 KV/MM. Temperature stability: -40 °C to +105 °C. Self-bonding tape Pro-fit pack
9XX 734 570-001	10	Thread sealing tape (Teflon tape) For sealing screw connections. 12 m x 12 mm x 0.1 mm. Colour: white. Thread sealing tape Supplied in shrink packs



Part no.	Pk.	Heat-shrink tubing		
		For bundling and preducting wires. Self-extinguishing. Tensile strength (ISO 37): 18.0 MPa. Elongation at tear (ISO 37): approx. 450 %. Temperature stability: -55 °C to +125 °C. Max. shrinkage: 2 : 1. Min. shrinking temperature: 120 °C.		
		Shipped in box, with roll.		
		Colour	Length	Diameter
9MJ 007 825-071	1	Black	4.0 m	25.4 mm
9MJ 007 825-041	1	Black	5.0 m	19.1 mm
9MJ 007 825-021	1	Black	6.5 m	9.5 mm
9MJ 007 825-051	1	Black	6.5 m	12.7 mm
9MJ 007 825-031	1	Black	7.5 m	6.4 mm
9MJ 007 825-001	1	Black	9.5 m	4.8 mm
9MJ 007 825-011	1	Black	11.5 m	3.2 mm
9MJ 007 825-061	1	Black	12.5 m	2.4 mm
		With glue inside, absolutely waterproof. Self-extinguishing: SAE-AMS-DTL-23053, containing halogen. Max. shrinkage: 3 : 1.		
		Lieferung im Polybeutel, ohne Rolle.		
		Colour	Length	Diameter
9MJ 008 039-001	20	Black	30 cm	3.0 mm
9MJ 008 039-011	16	Black	30 cm	4.8 mm
9MJ 008 039-021	13	Black	30 cm	6.0 mm
9MJ 008 039-031	1	Black	30 cm	9.0 mm
9MJ 008 039-041	9	Black	30 cm	12.0 mm
9MJ 008 039-051	7	Black	30 cm	19.0 mm
9MJ 008 039-061	5	Black	30 cm	24.0 mm



Part no.	Pk.	Hose clips «Herkules S» Stainless steel tape and housing, galvanised steel screw. Folding box.	
8HK 713 394-001	100	Tape width mm 5	Clamping range mm 7 - 11
Sliding magazine			
8HK 710 701-111	50	Tape width mm 9	Clamping range mm 8 - 16
8HK 710 701-121	50	9	12 - 20
8HK 710 701-131	50	9	16 - 25
8HK 710 701-141	50	9	20 - 32
8HK 710 701-151	25	9	25 - 40
8HK 710 701-161	25	9	32 - 50
Folding box.			
8HK 713 820-001	100	Tape width mm 9	Clamping range mm 8 - 16
8HK 713 820-011	100	9	12 - 20
8HK 713 820-021	100	9	16 - 25
8HK 713 820-031	100	9	20 - 32
8HK 713 820-041	100	9	25 - 40
8HK 713 820-051	50	9	32 - 50
8HK 713 820-061	50	9	40 - 60
8HK 713 820-071	50	9	50 - 70
8HK 713 820-081	25	9	60 - 80
8HK 713 820-091	25	9	70 - 90
8HK 713 820-101	25	9	80 - 100
Folding box.			
8HK 748 453-102	20	Tape width mm 12	Clamping range mm 16 - 27
8HK 748 453-112	20	12	20 - 32
8HK 748 453-132	10	12	35 - 50
8HK 748 453-142	10	12	40 - 60
8HK 748 453-152	10	12	50 - 70
8HK 748 453-162	10	12	60 - 80
8HK 748 453-192	10	12	90 - 110
All parts produced completely of galvanised steel. Folding box.			
8HK 748 452-002	100	Tape width mm 9	Clamping range mm 8 - 12
8HK 748 452-012	100	9	10 - 16
8HK 748 452-022	100	9	10 - 22
8HK 748 452-032	100	9	16 - 27
8HK 748 452-042	100	9	20 - 32
8HK 748 452-052	100	9	25 - 40
8HK 748 452-062	50	9	32 - 50
8HK 748 452-072	25	9	50 - 70
8HK 748 452-082	25	9	60 - 80
8HK 748 452-092	25	9	70 - 90
8HK 748 452-102	25	9	80 - 100
Folding box.			
8HK 710 702-101	20	Tape width mm 12	Clamping range mm 16 - 25
8HK 710 702-111	20	12	20 - 32
8HK 710 702-131	10	12	32 - 50
8HK 710 702-141	10	12	40 - 60
8HK 710 702-151	10	12	50 - 70
8HK 710 702-161	10	12	60 - 80
8HK 710 702-191	10	12	90 - 110

	Part no.	Pk.	Pipe clamps With rubber profile. Strip made of galvanized steel. Additional supporting discs in the area of the fastening holes made of galvanized steel.
	8HS 749 192-002	100	12 6
	8HS 749 192-012	100	12 8
	8HS 749 192-022	100	12 10
	8HS 749 192-032	100	12 12
	8HS 749 192-042	100	12 13
	8HS 749 192-052	100	12 14
	8HS 749 192-062	100	12 16
	8HS 749 192-072	100	12 18
	8HS 749 192-082	100	12 19
	8HS 749 192-092	100	12 20
	8HS 749 193-002	100	15 6
	8HS 749 193-012	100	15 8
	8HS 749 193-022	100	15 10
	8HS 749 193-032	100	15 12
	8HS 749 193-042	100	15 15
	8HS 749 193-052	100	15 18
	8HS 749 193-062	100	15 20
	8HS 749 193-072	100	15 23
	8HS 749 193-082	100	15 25
	8HS 749 193-092	100	15 26
	8HS 749 194-002	50	20 18
	8HS 749 194-012	50	20 20
	8HS 749 194-022	50	20 25
	8HS 071 414-001	100	Chassis cable clips Hardened spring steel, galvanized. For chassis frame thickness 3 - 6 mm, Length clamping arms: 21 mm. Chassis cable clip, 43 mm long Self-service box
	8HS 071 415-001	100	For chassis frame thickness 3 - 7 mm, Length of clmping arms: 31.5 mm. Chassis cable clip, 52.5 mm long Self-service box



   	Part no.	Pk.	Universal cigarette lighter Compact flush-fit version for at least 10.000 lights. With green dowel sleeve and blade connectors 6.3 mm. Mounting aperture: 28 mm dia. For dashboards up to 2.5 mm. Cigarette lighter, illuminated, (12V power connection/loading capacity when used as socket: max. 10A). Folding box Pro-fit pack (24V power connection/loading capacity when used as socket: max. 5A). Folding box With annular spring mount. Mounting aperture: 23.5 mm dia. Not illuminated (12V power connection/ loading capacity as socket: max. 10A). Folding box Pro-fit pack (24V power connection/ loading capacity as socket: max. 5A). Folding box SAE Standard. Type of connection: blade connector 6.3 mm. Mounting aperture: 28.0 mm dia. For dashboards up to 2.0 mm. With dowel sleeve. Cigarette lighter, illuminated, with 12V bulb with 24V bulb For dashboards 2.0 - 8.0 mm. Fastened by means of hexagon nut. Not illuminated, 12V 24V
	8EZ 008 021-001	1	
	8EZ 008 021-002	1	
	8EZ 008 021-011	1	
	8EZ 008 022-001	1	
	8EZ 008 022-002	1	
	8EZ 008 022-011	1	
	8EZ 008 021-021	1	
	8EZ 008 021-031	1	
	8EZ 008 021-041	1	
	8EZ 008 021-051	1	



     	Part no.	Pk.	Power sockets Compact flush-fit version for operation of auxiliary equipment in cars, trucks, campers and boats. Type of connection: blade connectors 6.3 mm. Mounting aperture: 28 mm dia. For dashboards up to 2.5 mm. Max. load: 15A at 24V. Power socket with green dowel sleeve, cover and 12V bulb  12V1.2W 8GA 007 997-011  24V1W 8GA 007 997-021 With green threaded sleeve and cover, without illumination, 24V SAE Standard. Type of connection: blade terminal contact 6.3 mm. Mounting aperture: 28.0 mm dia. Inside: 21.0 mm dia. With red dowel sleeve. Max. load: 20A at a cable cross-section of 2.5 sq. mm, 15A at a cable cross-section of 1.5 sq. mm. With 12V bulb with 24V bulb With green dowel sleeve. With 24V bulb Fastened by means of hexagon nut. 12V/24V, without illumination Fastened by means of black threaded sleeve. 2 blade terminal contacts 6.3 mm. 12V/24V, without illumination
	8JB 008 023-011	1	
	8JB 008 023-001	1	
	8JB 008 023-021	1	
	8JB 008 023-031	1	
	8JB 008 023-041	1	
	8JB 008 023-051	1	
	8JB 008 023-067	160	
	8JB 001 946-031	10	
	8JB 001 946-041	10	



		Part no.	Pk.	Standard sockets (ISO 4165)
		8JB 001 946-021	10	Compact light alloy flush-fit socket. Mounting aperture: 18.5 mm dia. For dashboards up to 7 mm. compatible with 8HG 006 294-101 push-on pipe with stopper. Max. load: 8A at 24V.
		8JB 001 946-022	1	Socket with cover, 1 screw contact, earthing via housing
		8JB 001 946-022	1	Pro-fit-pack
		8JB 001 946-011	10	With cover, 1 blade terminal contact 6.3 mm, earthing via housing
		8JB 001 946-051	10	With cover and additional earth plug, 2 blade terminal contacts 6.3 mm
		8JB 001 946-072	10	Compact plastic flush-fit socket. T-plug connection to prevent polarity mix-ups, recommended plug sleeve housing 8JD 008 151-021 (Pk. 10), recommended blade terminal sleeves 8KW 701 235-033 (Pk. 100). Mounting aperture: 18.5 mm dia. For dashboards up to 7 mm. Max. load: 16A at 24V.
		8JB 001 946-082	10	Socket, without cover, with 2 blade terminal contacts 6.3 mm CuSn/Sn
		8JB 001 946-082	10	With snap cover (without catch feature) and 2 blade terminal ocontacts 6.3 mm CuSn/Sn
		8JB 001 946-092	10	With cover (with catch feature) and 2 blade terminal contacts 6.3 mm CuSn/Sn
		8JB 001 946-101	1	With cover, 300 mm cable 2.5 sq. mm and 2 blade terminal contacts 6.3 mm CuSn/Ni
				Waterproof according to IP67 / IP69 K. Temperature stability: -40 °C to +105 °C. The socket is excellently suited for use on boats as well as near engines, thanks to its high temperature resistance properties.



	Part no.	Pk.	Standard sockets (ISO 4165) Compact plastic flush-fit socket. Mounting aperture: 18.5 mm dia. For dashboards up to 7 mm. Max. load: 8A at 24V. Socket with cover and 2 blade terminal contacts 6.3 mm Pro-fit-pack
	8JB 004 777-001 8JB 004 777-002	5 1	
	8JB 004 777-011	5	With 2 screw contacts
	8JB 002 286-021	10	Compact plastic flush-fit socket. Mounting aperture: 23 mm dia. With recess for arresting arm. Max. load: 8A at 24V. Socket without cover, with 2 blade terminal contacts 6.3 mm, for dashboards up to 3 mm
	8JB 002 286-031	10	With cover and 2 blade terminal contacts 6.3 mm, for dashboards up to 2 mm
	8JB 004 123-001 8JB 004 123-002 8JB 004 123-012	5 1 5	Plastic surface-fit socket. Max. load: 16A at 24V. Socket without cover, with 2 screw contacts Pro-fit-pack waterproof
	8JB 004 123-032 8JB 004 123-031	5 1	With cover and 2 blade terminal contacts 6.3 mm Pro-fit-pack
	8JB 004 123-042	5	Plastic surface-fit power socket. Inside: 21.0 mm dia., with 2 blade terminal contacts 6.3 mm. Max. load: 20A at 24V (cable cross-section of 2.5 sq. mm), 15A at 24V (cable cross-section of 1.5 sq. mm). Without cover



      	Part no.	Pk.	Universal plugs (ISO 4165 and cigarette lighter) Universal fused plug with positive strain relief. With integrated, replaceable 8A fuse and pulling tool. 2 screw contacts to 2.5 sq. mm. Max load: 8A at 24V. 8JA 007 589-001 10 Plug 8JA 007 589-002 1 Pro-fit-pack 8JA 007 589-032 10 With LED and screwed strain relief 8JA 007 589-031 1 Pro-fit-pack 8JA 007 589-011 10 Universal plug with screwed strain relief. Without fuse, with pulling tool. 2 screw contacts to 2.5 sq. mm. Plug, max. load: 8A at 24V 8JA 007 589-021 10 max. load: 16A at 24V 8JA 002 252-103 12 Economy-universal plug. Without fuse. Type of connection: 2 screw contacts up to 2.5 sq. mm. Max. load: 8A at 24V. Plug with opening for cable entry 5 x 3 mm 8JA 002 252-102 1 SB-box 8JA 002 252-101 1 Pro-fit-pack 8JA 001 921-102 12 Opening for cable entry 8 mm dia. 8JA 007 158-001 1 With positive strain relief. 8JA 007 158-003 1 Opening for cable entry 5 x 3 mm SB-box Pro-fit-pack 8JA 004 667-001 10 Opening for cable entry 8 mm dia.



   	Part no.	Pk.	Universal plugs (ISO 4165 and cigarette lighter) Pivoting universal plug with screwed strain relief. With integrated, replaceable 8A fuse. Swivels infinitely 180 degrees with sufficient space for electronic circuitry (Dimensions for board: 28.5 x 26.5 x 1.5 mm). Max load: 8A at 24V. Plug with two screw contacts up to 2.5 sq. mm Pro-fit-pack Pivoting universal safety plug with screwed strain relief and switch. With printed-on switch rocker 0-I and integrated, replaceable 8A fuse. Swivels infinitely 180 degrees. Max load: 8A at 24V. Plug with two screw contacts up to 2.5 sq. mm Universal right angle plug with screwed strain relief. With integrated, replaceable 7.5 ATO blade-type fuse and functional control using LED. Cable dia. 8 mm. Max. load: 7.5A at 24V. Plug with two screw contacts up to 1.5 sq. mm Pro-fit-pack
	8JA 007 589-042	8	
	8JA 007 589-041	1	
	8JA 007 589-152	8	
	8JA 007 589-052	8	
	8JA 007 589-051	1	
	8JA 002 262-001	10	Standard plug (ISO 4165) Without strain relief. Type of connection: 2 screw contacts CuZn up to 2.5 sq. mm. Max. load: 18A at 24V. Plug with opening for cable entry 9.2 mm dia. SB-box Pro-fit-pack
	8JA 002 262-002	1	
	8JA 002 262-003	1	
	8JA 001 915-001	10	with screwed strain relief Without strain relief. Max. load: 15A at 24V.
	8JA 001 915-022	10	Opening for cable entry 7.5 mm dia. With solder contacts and positive strain relief. Max. load: 8A at 24V.
	8JA 001 915-032	10	Opening for cable entry 6.5 mm dia.

	Part no.	Pk.	Extension cables and adapters (ISO 4165 and cigarette lighter)
			Adapter For setting up individual extensions for a power supply to electrical devices and lamps. 2 blade terminals 6.3 mm. Max. load: 16A at 24V.
	8JA 007 589-062 8JA 007 589-061	20 1	Adapter Pro-fit-pack
			Connecting cable For adapting from standard (ISO 4165) or cigarette lighter sockets to standard plugs. Length: 4.0 m. Cable: 2 x 0.75 sq. mm. With integrated 8A fuse. Max. load: 8A at 24V.
	8KA 007 589-071	1	Connecting cable with universal fused plug
			Extension cable For adapting from standard (ISO 4165) or cigarette lighter sockets to cigarette lighter plugs. Length: 4.0 m. Cable: 2 x 0.75 sq. mm. With integrated 8A fuse and clutch (inside dia. 21 mm). Max. load: 8A at 24V.
	8KA 007 589-081 8KA 007 589-082	1 1	Extension cable with universal fused plug Pro-fit-pack
			Helical extension cable For adapting from standard (ISO 4165) or cigarette lighter sockets to cigarette lighter plugs. Length: 0.6 - 3.0 m. Cable: 2 x 0.75 sq. mm. With integrated 8A fuse and clutch (inside dia. 21 mm). Max. load: 8A at 24V.
	8KA 007 589-091 8KA 007 589-092	1 1	Helical extension cable with universal fused plug Pro-fit-pack
			Adapter cable For adapting from standard sockets (ISO 4165) to cigarette lighter plugs. Length: 0.25 m. Cable: 2 x 0.75 sq. mm. Clutch (inside dia. 21 mm). Max. load: 8A at 24V.
	8KA 007 589-101 8KA 007 589-102	1 1	Adapter cable Pro-fit-pack
			Adapter For adapting from standard sockets (ISO 4165) to cigarette lighter plugs. Clutch (inside dia. 21 mm). Max. load: 16A at 12V/24V.
	8KA 007 589-131	1	Adapter



   	Part no.	Pk.	Extension cables and adapters (ISO 4165 and cigarette lighter) Adapter cable For adapting from standard (ISO 4165) or cigarette lighter sockets to two standard sockets (ISO 4165). Length: 0.12 m. Cable: 2 x 0.75 sq. mm. With integrated 8A fuse. Max. load: 8A at 24V.
	8JB 008 032-001	1	Adapter cable
	8JA 007 589-111	1	Twin adapter For adapting from standard (ISO 4165) or cigarette lighter sockets to two cigarette lighter plugs. Length: 0.25 m. Cable: 2 x 0.75 sq. mm. With integrated 8A fuse and two clutches (inside dia. 21 mm). Max. load: 2 x 8A at 24V.
	8JA 007 589-112	1	Twin adapter with universal fused plug Pro-fit-pack
	8JA 007 589-141	1	Power-twin adapter For adapting from standard (ISO 4165) or cigarette lighter sockets to two cigarette lighter plugs (Inside dia. 21 mm). Length: 65 mm. Cable: 2 x 1.5 sq. mm. Max. load: 16A at 12V/24V. Twin adapter with universal plug and 2 clutches (inside dia. 21 mm)
	8ES 007 589-121 8ES 007 589-122	1 1	Battery monitor Protects the battery from exhaustive discharge by switching off consumers e.g. cool boxes, seat heating, fans and other mobile 12V devices in good time in the event of undervoltage. Automatic switch-on when operating voltage is restored. Length: 1.0 m. Cable: 2 x 0.75 sq. mm. With integrated 8A fuse. For adapting from standard (ISO 4165) or cigarette lighter sockets to cigarette lighter plugs. LED function control and short-circuit protection. Switch-on voltage: 12.3V. Switch-off voltage: 11.0V. Max. load: 8A at 12V. Battery monitor Pro-fit-pack



	Part no.	Pk.	2-pole sockets and plugs (DIN 14 690)
			Socket, light metal with screw-on cap, form A. Gasket in screw-on cover. 2 screw contacts. Temperature stability: -40 °C to +100 °C. Max. load: 16A at 42V.
	8JB 002 281-001	1	2-pole socket
	8JB 002 281-002	1	Pro-fit-pack
			Accessories:
	9GD 735 641-032	10	Rubber base for cables with dia. of 6 - 8 mm
			Coupling socket with light alloy screw-on cover, Shape B. Gasket in screw-on cover. With protective cable grommet for cable with diameter of 6 - 12 mm and screw-type strain relief. 2 screw contacts. Max. load: 16A at 42V.
	8JB 002 281-011	1	Coupling socket
			Plug, light metal, form C. With union nut and cable protection grommet for cable with diameter of 6 - 12 mm. 2 screw contacts. Temperature stability: -40 °C to +100 °C. Max. load: 16A at 42V.
	8JA 001 925-001	1	2-pole plug
	9MK 748 467-001	10	Spare parts: Contact insert
	9GD 735 641-032	10	Accessories: Rubber base for cables with dia. of 6 - 8 mm
	8JB 862 757-017	400	With earth plug and 2 blade terminal contacts 6.3 mm. Max. load: 8A at 12V. 2-pole socket
	8JA 010 805-001	1	Sockets and plugs for special applications Plug, black metal. With 2 crimp contacts 50 sq. mm. Max. load: 300A at 24V. 2-pole plug
	8JA 010 805-011	1	With additional ring for high waterproof
	8JB 010 806-001	400	With rubber cover and 2 crimp contacts for cable dia. 50 sq. mm. Max. load: 300A at 24V. 2-pole socket
	8KA 010 807-001	1	2-pole spirally-coiled cable with 2 plugs. Lead dia. 2 x 35 sq. mm. Stretched length: 4.0 m. Max. load: 300A at 24V.

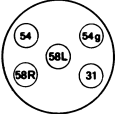


      	Part no.	Pk.	Sockets and plugs for special applications Socket, light alloy with green cover (ISO 4165 / VGV 96 921). Compact flush-fit version. Cover colour: RAL 6031. Mounting aperture: 18.5 mm dia. For dashboards up to 7 mm. 1 screw contact. Earth on housing. Max. load: 8A at 24V.
	8JB 001 946-001	10	2-pole socket
	8JB 001 935-001	1	Socket, metal, (VG 96 917 / VDA 72 593 Shape A). Gasket in screw-on cap. Cover colour: RAL 6031. Mounting aperture: 51 mm dia. 2 crimp/solder bush contacts CuZn/Ag for conductors up to 50 sq. mm. Class of predection IP54 in plugged condition with standard plug. Max. load: 300A at 24V.
	8JB 001 935-501	1	2-pole socket with green screw-on cap
	9MK 748 466-001	10	Spare parts: Crimp contact sleeve 50 sq. mm
	8JA 001 931-001	1	Plug, metal, with green sleeve (VDA 72 593 Shape B). Colour: RAL 6031. 2 crimp/solder bush contacts CuZn/Ag for conductors up to 35 sq. mm. Class of predection IP40. Max. load: 300A at 24V.
	8JA 001 931-011	1	2-pole plug
	9MK 748 465-001	10	Plug, metal, with screw-on ring (VG 96 917). Colour: RAL 6031. 2 crimp/solder pin contacts CuZn/Ag for conductors up to 35 sq. mm. Class of predection IP54 in plugged condition. Max. load: 300A at 24V.
	8JB 001 934-001	1	Spare parts: Crimp contact sleeve 35 sq. mm for 8JA 001 931-001/-011
	8JA 002 264-001	1	Socket, metal, with green cover (VG 96 923 A-12 S / previously VG 72 578 C). With set of mounting screws and union nut. Colour: RAL 6031. Mounting aperture: 51 mm dia. 12 solder bush contacts CuZn/Ag. Class of predection IP68 with closed cover. Max. load: 15A at 24V.
	8JA 002 264-001	1	12-pole socket
	8JA 002 264-001	1	Plug, with green cover (VG 96 923 B1-12 P / previously VG 72 578 G). With attached arrest and strain relief clamp. To fit socket on trailer, for cables with diameter up to 23.5 mm. Colour: RAL 6031. 12 solder pin contacts CuZn/Ag. Class of predection IP54 in plugged condition. Max. load: 15A at 24V.
	8JA 002 264-011	1	12-pole plug
	8JA 002 264-011	1	Plug, with green cover (VG 96 923 B1-12 S / previously VG 72 578 D). With attached arrest and strain relief clamp. To fit socket on towing vehicle, for cables with diameter up to 23.5 mm. Colour: RAL 6031. 12 solder bush contacts CuZn/Ag. Class of predection IP54. Max. load: 15A at 24V.
	8JA 002 264-011	1	12-pole plug



   	Part no.	Pk.	3-pole sockets and plugs for agricultural machines and tractors. Socket, made of black plastic (DIN 9680). Mounting aperture: 26 mm dia. 4 x 6.3 mm / 1 x 4.8 mm blade terminal contacts CuSn. Max. load: 16A at 24V (lead size 1.5 sq. mm), 25A at 24V (lead size 2.5 sq. mm). 3-pole socket with grommet 3-pole socket with screw cap Plug, made of black plastic (DIN 9680). With rubber grommet for cable dia. 8 - 13 mm. 4 x 6.3 mm / 1 x 4.8 mm blade terminal contacts CuSn. Max. load: 16A at 24V (lead size 1.5 sq. mm), 25A at 24V (lead size 2.5 sq. mm). 3-pole plug Socket, made of black plastic. With rubber gasket in lid. Base dia. 65 mm (round housing). 3 screw contacts CuZn. Class of predection IP5K. Temperature stability: -40 °C to +80 °C. Max. load: 16A at 24V (lead size 1.5 sq. mm), 25A at 24V (lead size 2.5 sq. mm). 3-pole socket Plug, made of black plastic. For cable dia. 6.3 - 8,3 mm. 3 screw contacts CuZn. Class of predection IP5K. Temperature stability: -40 °C to +80 °C. Max. load: 16A at 24V (lead size 1.5 sq. mm), 25A at 24V (lead size 2.5 sq. mm). 3-pole plug with union nut and rubber grommet 3-pole plug without union nut, with cable predection grommet
	8JB 001 933-011	10	
	8JB 001 933-042	10	
	8JA 002 263-011	10	
	8JB 001 933-031	1	
	8JA 002 263-031	1	
	8JA 002 263-001	1	



 	Part no.	Pk.	4-pole sockets and plugs (DIN 72 575) Socket, made of black plastic. With rubber gasket in lid. 90 degree cable exit for cable dia. 7.2 - 9.0 mm. 4 screw contacts CuZn. Class of pretection IP5K. Temperature stability: -40 °C to +80 °C. Max. load: 16A at 24V (lead size 1.5 sq. mm), 25A at 24V (lead size 2.5 sq. mm).
	8JB 001 944-011	1	4-pole socket
	8JA 001 920-011	1	4-pole plug
			Plug, made of black plastic. With strain relief, for cable dia. 5 - 9 mm. 4 screw contacts CuZn. Class of pretection IP5K. Temperature stability: -40 °C to +80 °C. Max. load: 16A at 24V (lead size 1.5 sq. mm), 25A at 24V (lead size 2.5 sq. mm).
  			5-pole sockets and plugs (ISO 1724) Socket with lid, solid metal. Base dia. 72 mm. 5 screw contacts CuZn. Max. load: 16A at 12V (lead size 1.5 sq. mm), 25A at 12V (lead size 2.5 sq. mm).
	8JB 001 940-001	10	5-pole socket
	8JA 001 916-001	10	5-pole plug
			Plug, solid metal. With strain relief and grommet for cable up to 8 mm dia. 5 screw contacts CuZn. Max. load: 16A at 12V (lead size 1.5 sq. mm), 25A at 12V (lead size 2.5 sq. mm).



	Part no.	Pk.	7-pole sockets and plugs, 12V "N" (ISO 1724)
			Socket: middle contact 7/58L with contact pin. Plug: contact 7/58L with contact bush. Base dia. 72 mm.
			Socket with lid, solid metal. Removable contact set.
			Max. load: 16A at 12V (lead size 1.5 sq. mm), 25A at 12V (lead size 2.5 sq. mm).
			7-pole socket with 7 screw contacts CuZn Pro-fit pack
			with 7 screw contacts Ni, splash-proof when plugged
	8JB 001 941-002	25	
	8JB 001 941-001	1	
	8JB 001 941-022	10	
	8JB 001 941-041	20	
	8JB 001 941-062	10	With disconnecting contact for rear fog light on motor vehicle. With additional rubber gasket, 7 nickel-plated screw contacts with additional screw contact
			Socket with lid, made of black plastic. Removable contact set.
			Max. load: 16A at 12V (lead size 1.5 sq. mm), 25A at 12V (lead size 2.5 sq. mm).
			7-pole socket with 7 screw contacts CuZn Self-service pack Pro-fit pack
			with 7 screw contacts Ni, splash-proof when plugged
			with 7 blade terminal contacts 6.3 mm
	8JB 001 943-003	25	
	8JB 001 943-002	1	
	8JB 001 943-001	1	
	8JB 001 943-022	10	
	8JB 006 462-001	20	
			According to DIN 40 050. Class of prededction IP54 in coupled condition. Temperature stability: -25 °C to +70 °C.
	8JB 001 943-011	10	With disconnecting contact for rear fog light on motor vehicle. 7 screw contacts CuZn, with additional screw contact
	8JB 001 943-062	10	with disconnecting contact for rear fog light on motor vehicle. With additional rubber gasket, 7 nickel-plated screw contacts with additional screw contact
	8JB 001 943-072	10	Flat version with reduced height of 40 mm. With 7 screw contacts
	8JB 001 943-082	10	with disconnecting contact for rear fog light on motor vehicle. 7 screw contacts with additional screw contact
			Accessories: Rubber grommet for cable dia. 8 - 11 mm
	9GD 735 641-001	10	
	9GD 735 641-042	10	with side outlet for cable dia. 8 - 11 mm



	Part no.	Pk.	7-pole sockets and plugs, 12V "N" (ISO 1724) Socket: middle contact 7/58L with contact pin. Plug: contact 7/58L with contact bush. Base dia. 72 mm. Plug, solid metal. With strain relief and grommet. Max. load: 16A at 12V (lead size 1.5 sq. mm), 25A at 12V (lead size 2.5 sq. mm).
	8JA 001 918-002	25	7-pole plug with 7 screw contacts CuZn
	8JA 001 918-011	20	with 7 blade terminal contacts 6.3 mm Ms
	8JA 001 930-003	25	Plug, made of black plastic. With strain relief and grommet. Max. load: 16A at 12V (lead size 1.5 sq. mm), 25A at 12V (lead size 2.5 sq. mm). 7-pole plug with 7 screw contacts CuZn
	8JA 001 930-002	1	Self-service pack
	8JA 001 930-001	1	Pro-fit pack
	8JA 001 930-041	20	with 7 blade terminal contacts 6.3 mm Ms
	8JB 001 939-001	10	Coupling socket with lid, made of black plastic. With strain relief, suspension device and rubber grommet for 7-core extension cable. 7 screw contacts CuZn. Max. load: 16A at 12V (lead size 1.5 sq. mm), 25A at 12V (lead size 2.5 sq. mm). 7-pole socket
	8JB 001 939-002	150	
	8JA 005 476-001	100	Plug, made of black plastic. Folding version with strain relief, contact set and union nut included separately. 7 screw contacts CuZn. Max. load: 16A at 12V (lead size 1.5 sq. mm), 25A at 12V (lead size 2.5 sq. mm). 7-pole plug
	8JA 005 476-002	5	
Pin assignments for standard plug connectors in conformance with ISO 1724, 12V, 7-pin N			
Contact-No.	Function	Cable cross-section	Colour of insulation
1 / L	Flasher light, left	1.5 sq. mm	yellow
2 / 54g	Rear fog light	1.5 sq. mm	blue
3 / 31	Earth	2.5 sq. mm	white
4 / R	Flasher light, right	1.5 sq. mm	green
5 / 58R	Tail-, end-outline-marker-, position and numberplate light, right *)	1.5 sq. mm	brown
6 / 54	Brake light	1.5 sq. mm	red
7 / 58L	Tail-, end-outline-marker-, position and numberplate light, left *)	1.5 sq. mm	black

*) The number plate illumination must be connected so that none of the bulbs in this device are connected to contacts 5 or 7.



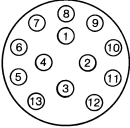
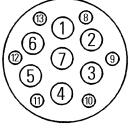
	Part no.	Pk.	7-pole sockets and plugs, 12V "S" (ISO 3732) Socket: middle contact 7/58L with contact bush. Plug: contact 7/58L with contact pin. Base dia. 72 mm. Socket, made of black plastic with white lid. Removable contact set. 7 screw contacts CuZn. Max. load: 16A at 12V (lead size 1.5 sq. mm), 25A at 12V (lead size 2.5 sq. mm).
	8JB 001 943-041	25	7-pole socket
	9GD 735 641-001	10	Accessories: Rubber grommet for cable dia. 8 - 11 mm
	9GD 735 641-042	10	with side outlet for cable dia. 8 - 11 mm
	8JA 001 930-031	25	Plug, made of white plastic. With strain relief and grommet. 7 screw contacts CuZn. Max. load: 16A at 12V (lead size 1.5 sq. mm), 25A at 12V (lead size 2.5 sq. mm).
	8JB 006 464-001	10	Coupling socket, made of black plastic with white lid. With strain relief, suspension device and rubber grommet for 7-core extension cable. 7 screw contacts CuZn. Max. load: 16A at 12V (lead size 1.5 sq. mm), 25A at 12V (lead size 2.5 sq. mm).

Pin assignments for auxiliary plug connectors in conformance with ISO 3732, 12V, 7-pin S

Contact-No.	Function	Cable cross-section	Colour of insulation
1	Reversing light *)	1.5 sq. mm	yellow
2	Reserved for future applications	no specified	no conductor or blue
3	Earth for circuit for contact no. 4	2.5 sq. mm	white
4	Power supply (continuous positive)	2.5 sq. mm	green
5	Reservfor future applications	1.5 sq. mm	brown
6	Power supply over ignition switch	2.5 sq. mm	red
7	Earth for circuit for contact no. 6	2.5 sq. mm	black

*) The earth for this contact is usually contact No. 3 in the 12V, 7 pin N plug connector inconformance with ISO 1724.



 	Part no.	Pk.	13-pole sockets and plugs, 12V (ISO 11 446) Socket, made of plastic, with lid. Removable contact set. Rubber base and rubber gasket in lid. 13 screw contacts. Max. load: 16A at 12V (lead size 1.5 sq. mm), 25A at 12V (lead size 2.5 sq. mm).
	8JB 005 949-001	1	13-pole socket
	8JB 005 949-011	1	Contact for rear fog lamp can be disconnected on motor vehicles. 13 screw contacts with additional screw contact
	8JB 005 949-012	1	Pro-fit pack
	8JA 005 951-001	1	Plug, made of black plastic. With rubber gasket, union nut and bayonet fastening. 13 screw contacts. Max. load: 16A at 12V (lead size 1.5 sq. mm), 25A at 12V (lead size 2.5 sq. mm).
	8JA 005 951-003	1	Pro-fit pack
			Parking socket with blue lid, made of black plastic. Takes the 13-pole plug when trailer is disconnected from the towing vehicle.
	8HG 005 953-001	1	Parking socket
 	8JB 005 949-031	1	WeST (world plug system) 7+6-pole, in conformance with NEN 6120 Compatible with the ISO 1724 standard for 7-pole plug connectors for trailers. The auxiliary contacts 8-13 can be wired in conformity with the ISO 11446 standard, but attention must be paid to the different pole assignment. With microswitch for switching the rear fog light, the parking aid and/or the trailer detection. Made of black plastic. With rubber gasket in lid, grommet and removable contact set. Max. load: 20A at 12V.
	8JA 005 951-061	1	Not for use with MULTICON socket. Made of black plastic. With rubber seal and cap nut for a cable 11.5 mm - 14.0 mm dia.. Max. load: 20A at 12V.



Pin assignments for plug connectors in conformance with ISO 11 446, 12V, 13-pin

Contact-No.	Function	Cable cross-section	Colour of insulation
1	Flasher light, left	1.5 sq. mm	yellow
2	Rear fog light	1.5 sq. mm	blue
3 **)	Earth for contact no. 1 - 8	2.5 sq. mm	white
4	Flasher light, right	1.5 sq. mm	green
5	Tail-, end-outline-marker-, position and numberplate light, right ***)	1.5 sq. mm	brown
6	Brake light	1.5 sq. mm	red
7	Tail-, end-outline-marker-, position and numberplate light, left ***)	1.5 sq. mm	black
8	Reversing light	1.5 sq. mm	pink
9	Power supply (continuous positive)	2.5 sq. mm	orange
10	Power supply over ignition switch	2.5 sq. mm	grey
11 **)	Earth for contact no. 10	2.5 sq. mm	white/black
12	Reserved for future applications	not specified	not specified
13 **)	Earth for contact no. 6	2.5 sq. mm	white/red

Pin assignments for plug connectors in conformance with NEN 6120, 12V, 7+6-pin

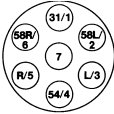
Contact-No.	Function	Cable cross-section	Colour of insulation
1	Flasher light, left	1.5 sq. mm	yellow
2	Rear fog light	1.5 sq. mm	blue
3 *)	Earth for contact no. 1 - 8	2.5 sq. mm	white
4	Flasher light, right	1.5 sq. mm	green
5 **)	Tail-, end-outline-marker-, position and numberplate light, right ***)	1.5 sq. mm	brown
6	Brake light	1.5 sq. mm	red
7 **)	Tail-, end-outline-marker-, position and numberplate light, left ***)	1.5 sq. mm	black
8	Reversing light	1.5 sq. mm	pink
9	Power supply (continuous positive)	2.5 sq. mm	orange
10 ***)	Power supply over ignition switch	4.0 sq. mm	grey
11	Reserved for future applications	2.5 sq. mm	not specified
12 *) ***)	Earth for contact no. 10	4.0 sq. mm	white/black
13 *)	Earth for contact no. 9	2.5 sq. mm	white/red

*) Available as long as stocks last.
**) The 3 earth lead must not be connected in the trailer in such a manner that they are electrically conductive.
***) The number plate illumination must be connected so that none of the bulbs in this device are connected ti contacts 5 or 7.



	Part no.	Pk.	Adapter, 12V Features: - Round cover in conformance with ISO 11 446 protects against soiling and damage - Plug-in aid for one-hand operation - Splash-proof in conformance with IP54 - Nickel-plated contacts (corrosion prediction and uniform, low plug-in force) - Minimum weight relieves load on 13 pin socket (only 99 g) - Length: 57.0 mm (-001), 50.6 mm (-011) Max. load: 16A at 12V.
	8JA 008 969-001	1	Super short adapter for connecting a 13-pole vehicle socket (DIN ISO 11 446) with a 7-pole trailer plug (DIN ISO 1724)
	8JA 008 969-011	1	for connecting a 7-pole vehicle socket (DIN ISO 1724) with a 13-pole trailer plug (DIN ISO 11 446)
			Short adapter for connecting a 13-pole vehicle socket (DIN ISO 11 446) with a 7-pole trailer plug (DIN ISO 1724). Length: 120 mm Max. load: 16A at 12V.
	8JA 005 952-011	1	Adapter
	8JA 005 952-013	1	Pro-fit pack
	8JA 005 952-001	1	Adapter with 250 mm cable and suspension device on 7-pole socket coupler
			Short adapter from a 13-pole socket (ISO 11 446) on the towing vehicle to a 13-pole West plug or 7-pole plug (ISO 1724) on the trailer cable. Length: 106 mm.
	8JA 005 952-091	1	Short adapter
			Mini short adapter for connecting a 7-pole vehicle socket (DIN ISO 1724) with a 13-pole trailer plug (DIN ISO 11 446). Length: 100 mm. Max. load: 16A at 12V.
	8JA 008 981-001	1	Short adapter
			7-pole extension cable, 12V, "N" (ISO 1724 and 6722) Length: 3 m. Sheating: PVC. Lead size: 7 x 1.0 sq. mm. With 2 plastic plugs.
	8KA 002 185-061	10	Extension cable



 	Part no.	Pk.	Plug-in tester, 12V For testing 7-pole 12V sockets (ISO 1724). LED display. Plug-in tester, 7-pole, 12V with 5 m cable, for function testing from driver's seat, 7-pole, 12V
	8PD 004 508-001	1	
	8PD 004 509-001	1	
    			7-pole sockets and plugs, 24V, "N" standard version (ISO 1185 / shape to SAE J560B) Socket: contact 31 with contact pin. Plug: contact 31 with contact bush. Socket, solid metal with lid. With rubber gasket in lid and cable predetection grommet for cables with diameter of 8 - 11 mm and 16.5 - 19.5 mm. Mounting aperture: 50 mm dia. Max. load: 15A at 24V (lead size min. 1.5 sq. mm), 20A at 24V (lead size max. 2.5 sq. mm). 7-pole socket with 7 screw contacts CuZn/Ni with 20 blade terminal contacts 6.3 mm CuZn/Ni (1 double / 6 triple) with 7 blade terminal contacts 6.3 mm CuZn/Ni
	8JB 003 833-001	10	
	8JB 003 833-011	10	
	8JB 003 833-031	10	
			Socket, made of plastic, with lid. With rubber gasket in lid and predetection grommet for cables with diameter of 8 - 11 mm and 16.5 - 19.5 mm. Mounting aperture: 50 mm dia. 7-pole socket with 7 screw contacts CuZn/Ni with 16 blade terminal contacts 6.3 mm (5 double / 2 triple) CuZn/Ni, without predetection grommet for cables with 7 blade terminal contacts 6.3 mm CuZn/Ni
	8JB 008 085-001	10	
	8JB 008 085-041	10	
	8JB 008 085-021	10	
	9GT 735 641-012	10	Accessories: Predetection grommet for cables with diameter of 8 - 11 and 16.5 - 19.5 mm
	9GD 735 641-022	10	Rubber gasket for 7-pole 24V sockets (3 mm thick), mounting aperture: 50 mm dia.



	Part no.	Pk.	7-pole sockets and plugs, 24V, "N" standard version (ISO 1185 / shape to SAE J560B) Socket: contact 31 with contact pin. Plug: contact 31 with contact bush. Plug, solid metal. With screw-on strain relief and cable predection grommet for cables with diameter of 8 - 11 mm. Max. load: 15A at 24V (lead size min. 1.5 sq. mm), 20A at 24V (lead size max. 2.5 sq. mm). Plug, 7-pole, with 7 screw contacts CuZn/Ni with 7 blade terminal contacts 6.3 mm CuZn/Ni
	8JA 003 831-001	10	
	8JA 003 831-011	10	
	8JA 008 084-001	10	Plug, made of plastic. With strain relief, union nut and rubber gasket. Max. load: 15A at 24V (lead size min. 1.5 sq. mm), 20A at 24V (lead size max. 2.5 sq. mm). Plug, 7-pole, with 7 screw contacts CuZn/Ni
	8JA 008 084-021	10	with 7 blade terminal contacts 6.3 mm CuZn/Ni

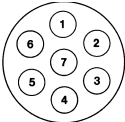
Pin assignments for standard plug connectors in conformance with ISO 1185, 24V, 7-pin N

Contact-No.	Function	Cable cross-section	Colour of insulation
1 / 31	Earth	2.5 sq. mm	white
2 / 58L	Tail-, end-outline-marker-, position and numberplate light, left *)	1.5 sq. mm	black
3 / L	Flasher light, left	1.5 sq. mm	yellow
4 / 54	Brake light	1.5 sq. mm	red
5 / R	Flasher light, right	1.5 sq. mm	green
6 / 58R	Tail-, end-outline-marker-, position and numberplate light, right *)	1.5 sq. mm	brown
7 / 54g	Control of trailer brakes	1.5 sq. mm	blue

*) The number plate illumination must be connected so that none of the bulbs in this device are connected to contacts 5 or 7.



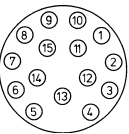
    	Part no.	Pk.	7-pole sockets and plugs, 24V, "S" for special functions (ISO 3731) Socket: contact 31 with contact bush. Plug: contact 31 with contact pin. Socket, solid metal with lid. With rubber gasket in lid and cable pretection grommet for cables with diameter of 8 - 11 mm and 16.5 - 19.5 mm. Mounting aperture: 50 mm dia. Max. load: 15A at 24V (lead size min. 1.5 sq. mm), 20A at 24V (lead size max. 2.5 sq. mm). 7-pole socket with 7 screw contacts CuZn/Ni with 16 blade terminal contacts 6.3 mm (5 double / 2 triple) CuZn/Ni with 7 blade terminal contacts 6.3 mm CuZn/Ni Socket, made of plastic, with lid. With rubber gasket in lid and cable pretection grommet for cables with diameter of 8 - 11 mm and 16.5 - 19.5 mm. Mounting aperture: 50 mm dia. Max. load: 15A at 24V (lead size min. 1.5 sq. mm), 20A at 24V (lead size max. 2.5 sq. mm). 7-pole socket with 7 screw contacts with 16 blade terminal contacts 6.3 mm (5 double / 2 triple) CuZn/Ni, without grommet with 7 blade terminal contacts 6.3 mm CuZn/Ni Accessories: Cable pretection grommet for cables with diameter of 8 - 11 and 16.5 - 19.5 mm Rubber gasket for 7-pole 24V sockets (3 mm thick), mounting aperture: 50 mm dia. Socket, solid metal. With screw-on strain relief and cable pretection grommet for cables with diameter of 8 - 11 mm. Max. load: 15A at 24V (lead size min. 1.5 sq. mm), 20A at 24V (lead size max. 2.5 sq. mm). 7-pole plug with 7 screw contacts CuZn with 7 blade terminal contacts 6.3 mm CuZn
	8JB 003 834-001	10	
	8JB 003 834-021	10	
	8JB 003 834-031	10	
	8JB 008 085-011	10	
	8JB 008 085-051	10	
	8JB 008 085-031	10	
	9GT 735 641-012	10	
	9GD 735 641-022	10	
	8JA 003 832-001	10	
	8JA 003 832-011	10	



	Part no.	Pk.	7-pole sockets and plugs, 24V, "S" for special functions (ISO 3731) Socket: contact 31 with contact bush. Plug: contact 31 with contact pin. Plug, made of plastic. With strain relief, union nut and rubber gasket. Max. load: 15A at 24V (lead size min. 1.5 sq. mm), 20A at 24V (lead size max. 2.5 sq. mm).
	8JA 008 084-011	10	7-pole plug with 7 screw contacts CuZn/Ni
	8JA 008 084-031	10	with 7 blade terminal contacts 6.3 mm CuZn/Ni

Pin assignments for auxiliary plug connectors to ISO 3731, 24V, 7-pin S

Contact-No.	Function	Cable cross-section	Colour of insulation
1	Earth	2.5 sq. mm	white
2	Reserved for future applications	1.5 sq. mm	black
3	Reversing light	1.5 sq. mm	yellow
4	Power supply (continuous positive)	2.5 sq. mm	red
5	Indicator feature over earth	1.5 sq. mm	green
6	Power supply over ignition switch	2.5 sq. mm	brown
7	Rear fog light	1.5 sq. mm	blue

        	Part no.	Pk.	15-pole sockets and plugs, 24V (ISO 12 098) Socket, made of plastic, with lid. With rubber gasket and nickel-plated pins. Fibre-glass reinforced polyamide housing. PG gland for cable exit. Mounting aperture 54 mm dia. For cable dia. 12 - 18 mm. Contact pins: 12 each of 1.5 sq. mm + 3 each of 2.5 sq. mm. Class of predection IP54 in plugged condition. Max. load: 16A at 24V (lead size 1.5 sq. mm), 25A at 24V (lead size 2.5 sq. mm). 15-pole socket with 15 screw contacts CuZn/Ni 15-pole socket with 15 crimp-/soldering contacts CuZn/Ni Plug, made of plastic. With rubber gasket and nickel-plated pins. Fibre-glass reinforced polyamide housing, mechanical strain relief. Secure arrest with non-rusting metal bail. For cable: 12 - 18 mm dia. Contact pins: 12 each of 1.5 sq. mm + 3 each of 2.5 sq. mm. Class of predection IP54 in plugged condition. Max. load: 16A at 12V (lead size 1.5 sq. mm), 25A at 12V (lead size 2.5 sq. mm). 15-pole plug with 15 screw contacts CuZn/Ni 15-pole plug with 15 crimp-/soldering contacts CuZn/Ni Accessories: Crimp-/soldering contact pin set, CuZn/Ni, (12 each of 1.5 sq. mm + 3 each of 2.5 sq. mm) for socket 8JB 007 242-021 Crimp-/soldering contact sleeve set, CuZn/Ni, (12 each of 1.5 sq. mm + 3 each of 2.5 sq. mm) for plug 8JA 007 241-031 Professional crimping tool for crimp contact pins and sleeves with size from 1.5 - 6.0 sq. mm
	8JB 007 242-011	1	
	8JB 007 242-021	1	
	8JA 007 241-021	1	
	8JA 007 241-031	1	
	9MK 726 761-811	1	
	9MK 726 758-821	1	
	8PE 863 807-001	1	
	8HG 007 647-001	1	
			Parking socket Fibre-glass reinforced polyamide housing, for 15-pole 24V plugs 8JA 007 241-021/-031. Mounting aperture: 54 mm dia. Class of predection IP54. Parking socket



Pin assignments for plug connectors to ISO 12 098, 24V, 15-pin

Contact-No.	Function	Cable cross-section	Colour of insulation
1	Flasher light, left	1.5 sq. mm	yellow
2	Flasher light, right	1.5 sq. mm	green
3	Rear fog light	1.5 sq. mm	blue
4	Earth for contact 1-3 and 5-12	2.5 sq. mm	white
5	Tail-, end-outline-marker-, position and numberplate light, left *)	1.5 sq. mm	black
6	Tail-, end-outline-marker-, position and numberplate light, right *)	1.5 sq. mm	brown
7	Brake light	1.5 sq. mm	red
8	Reversing light	1.5 sq. mm	pink
9	Continuous power supply (+24V)	2.5 sq. mm	orange
10	Sensor for break lining wear indicator	1.5 sq. mm	grey
11	Indicator for spring loaded brake	1.5 sq. mm	white/black
12	Axle lift	1.5 sq. mm	white/blue
13	Earth for data leads 14 and 15	2.5 sq. mm	white/red
14	CAN H	1.5 sq. mm	white/green
15	CAN L	1.5 sq. mm	white/brown

*) The number plate illumination must be connected so that none of the bulbs in this device are connected to contacts 5 or 7.

Adapter 15 - 2x 7-pin with ISO (see page 8.46 8JA 005 952-...)

7-pin N ISO 1185					15-pin N ISO 12098	
Earth	white	1			1	Flasher light, left
Tail light, left	black	2			2	Flasher light, right
Flasher light, left	yellow	3			3	Rear fog light
Brake light	red	4			4	Earth
Flasher light, right	green	5			5	Tail light, left
Tail light, right	brown	6			6	Tail light, right
Bremse Anhänger	blue	7			7	Brake light
7-pin S ISO 3731					8	Reversing light
Earth	white	1			9	Continuous power supply
-	black	2			10	Sensor for break lining wear indicator
Reversing light	yellow	3			11	Indicator for spring loaded brake
Permanent plus	red	4			12	Axle lift
Control via earth	green	5			13	Earth for data leads 14 and 15
Power supply switched	brown	6			14	CAN
Rear fog light	blue	7			15	CAN

   	Part no.	Pk.	Adapter, 24V Adapter cable for connecting a 15-pole vehicle socket (ISO 12 098) with two 7-pole trailer sockets (ISO 1185, ISO 3731). With one 15-pole plastic plug and two 7-pole metal plugs. Contacts CuZn. Sheathing: Polyurethan. Lead dia.: 8.7 mm. Outside dia. of coil: 50 mm. Stretched length: 4.0 m. Class of predection IP54 on 15P side in plugged condition. Max. load: 16A at 24V (lead size 1.5 sq. mm), 25A at 24V (lead size 2.5 sq. mm).
	8JA 005 952-041	1	Adapter
	8JA 005 952-081	1	As -041, but with 7-pole plastic plugs, absolutely waterproof. Type of predection: IPX9K for cable exit.
	8JA 005 952-061	1	Short adapter
	8JB 007 645-021	1	ABS/EBS 5/7-pole sockets and plugs, 24V (ISO 7638-1) Socket made of plastic, with lid. With rubber gaskets and nickel-plated contact pins. Fibre-glass reinforced polyamide housing. PG gland for cable exit. Mounting aperture 54 mm dia. For cable dia. 9 - 16 mm. Contact pins: 5 each of 1.5 sq. mm + 2 each of 4 sq. mm + 2 each off 6 sq. mm and 2 dummy plugs. Class of predection IP54 in plugged condition. Max. load: 16A at 24V (lead size 1.5 sq. mm), 25A at 24V (lead size 2.5 sq. mm), 30A at 24V (lead size 4.0 - 6.0 sq. mm).
	8JB 007 645-031	1	Socket, 5/7-pole, 24V, can be connected by crimping or soldering CuZn/Ni with screw-type connections CuZn/Ni
	8JA 007 644-041	1	Plug made of plastic. With rubber gaskets and nickel-plated contact pins. Fibre-glass reinforced polyamide housing. Mechanical strain relief. Secure arrest with non-rusting metal bail. For cable dia. 11 - 13 mm. Contact sleeves: 5 each of 1.5 sq. mm + 2 each of 4 sq. mm + 2 each of 6 sq. mm and 2 dummy plugs. Class of predection IP54 in plugged condition. Max. load: 16A at 24V (lead size 1.5 sq. mm), 25A at 24V (lead size 2.5 sq. mm), 30A at 24V (lead size 4.0 - 6.0 sq. mm).
	8JA 007 644-051	1	Plug, 5/7-pole, 24V, can be connected by crimping or soldering CuZn/Ni with screw-type connections CuZn/Ni



	Part no.	Pk.	ABS/EBS 5/7-pole sockets and plugs, 24V (ISO 7638-1)
	9MK 726 762-831	1	Accessories: Crimp contact pin set for cable connecting (5 each of 1.5 sq. mm + 2 each of 4 sq. mm + 2 each of 6 sq. mm, CuZn/Ni, and 2 dummy plugs) for socket 8JB 007 645-021
	9MK 726 759-831	1	Crimp contact sleeve set for cable connecting (5 each of 1.5 sq. mm + 2 each of 4 sq. mm + 2 each of 6 sq. mm, CuZn/Ni, and 2 dummy plugs) for plug 8JA 007 644-041
	8PE 863 807-001	1	Professional crimping tool for crimp contact pins and sleeves with size from 1.5 - 6.0 sq. mm
	8HG 007 647-001	1	Parking socket Fibre-glass reinforced polyamide housing, for ABS/EBS 24V plugs 8JA 007 644-041/-051. Mounting aperture 54 mm dia. Class of predection IP54 in plugged condition.

Pin assignments for plug connectors to ISO 7638-1, ABS/EBS 24V

Contact-No.	Function	Cable cross-section	Colour of insulation
1	Positive, solenoid valve	4 sq. mm	red
2	Positive, electronics	1.5 sq. mm	black
3	Negative, electronics	1.5 sq. mm	yellow
4	Negative, solenoid valve	4 sq. mm	brown
5	Warning device *)	1.5 sq. mm	white
6	CAN H **)	1.5 sq. mm	white/green
7	CAN L **)	1.5 sq. mm	white/brown

*) The warning device is actuated over contact No. 5. The circuit for this contact in the trailer is open under normal operating conditions.
**) To ISO 11992-1 and ISO 11992-2.

    	Part no.	Pk.	Spirally-coiled cable, 12V 7-core spirally-coiled cable, 12V, "N" Standard version for functions according to German traffic code (StVZO) (ISO 1724 and 6722). Extremely resistant to high and low temperatures as well as weathering, maximum resistance to oils and chemicals. Very good fatigue strenght against repeated bending. Excellent return characteristics. Sheating: Polyurethan. Lead size: 6 x 1.0 + 1 x 1.5 sq. mm. Lead dia.: 8.8 mm. Outside dia. of coil: 48 mm. Stretched length: 4.0 m. Spirally-coiled cable, 12V with 2 metal plugs
	8KA 004 797-021	1	
	8KA 004 797-041	1	Spirally-coiled cables, 24V 7-core spirally-coiled cable, 24V, "N" Standard version for functions according to German traffic code (StVZO) + "S" for special functions (ISO 1185, 3731 and 6722). Extremely resistant to high and low temperatures as well as weathering, maximum resistance to oils and chemicals. Very good fatigue strenght against repeated bending. Excellent return characteristics. Sheating: Polyurethan. Lead size: 6 x 1.0 + 1 x 1.5 sq. mm. Lead dia.: 8.8 mm. Outside dia. of coil: 48 mm. Stretched length: 4.0 m.
	8KA 004 797-051	1	Spirally-coiled cable, 24V, "N" type, in compliance with ISO 1185, with 2 plastic plugs and kink guard grommets "S" type, in compliance with ISO 3731, with 2 plastic plugs and kink guard grommets
	8KA 004 797-031	1	"N" type, in compliance with ISO 1185, with 2 blue plastic plugs and kink guard, absolutely waterproof! Type of predection: IPX9K for cable exit.
	8KA 007 965-011	1	"S" type, in compliance with ISO 3731, with 2 yellow plastic plugs and kink guard, absolutely waterproof! Type of predection: IPX9K for cable exit.



   	Part no.	Pk.	Spirally-coiled cables, 24V 7-core spirally-coiled cable, 24V, "N" Standard version for functions according to German traffic code (StVZO) + "S" for special functions (ISO 1185, 3731 and 6722). Extremely resistant to high and low temperatures as well as weathering, maximum resistance to oils and chemicals. Very good fatigue strenght against repeated bending. Excellent return characteristics. Sheating: Polyurethan. Lead size: 6 x 1.0 + 1 x 1.5 sq. mm. Lead dia.: 8.8 mm. Outside dia. of coil: 48 mm. Stretched length: 4.0 m. Spirally-coiled cable, 24V, "N" type, in compliance with ISO 1185, with 2 metal plugs "S"-Type, in compliance with ISO 3731, with 2 metal plugs "N" type, in compliance with ISO 1185, with 2 metal plugs, metal kink guar and suspension device "S"-Type nach ISO 3731, with 2 metal plugs, metal kink guard and suspension device
	8KA 004 797-071	1	
	8KA 004 797-081	1	
	8KA 004 797-101	1	
	8KA 004 797-111	1	

Part no.		Pk.	Spirally-coiled cables, 24V
 	8KA 007 648-001	1	5-core ABS spirally-coiled cable, 24V (ISO 7638-1, 6722 and 4141). Extremely resistant to high and low temperatures as well as weathering, maximum resistance to oils and chemicals. Very good fatigue strenght against repeated bending. Excellent return characteristics. Sheating: Hytrel or Polyurethan. Lead size: 3 x 1.5 + 2 x 4.0 sq. mm. Lead dia.: 12.5 mm. Outside dia. of coil: 60 mm. Stretched length: 4.0 m.
	8KA 007 648-011	1	ABS spirally-coiled cable, 24V, with 2 ABS plugs and kink guard grommets. Sheating: Hytrel. Guaranteed to withstand 20.000 alternate bending operations! *) Sheating: Polyurethan
	8KA 007 648-021	1	7-core EBS spirally-coiled cable, 24V (ISO 7638-1, 6722 and 4141). Extremely resistant to high and low temperatures as well as weathering, maximum resistance to oils and chemicals. Very good fatigue strenght against repeated bending. Excellent return characteristics. Sheating: Hytrel or Polyurethan. Lead size: 5 x 1.5 + 2 x 4.0 sq. mm. Lead dia.: 12.5 mm. Outside dia. of coil: 60 mm. Stretched length: 4.0 m.
	8KA 007 648-031	1	EBS spirally-coiled cable, 24V, with 2 EBS plugs and kink guard grommets. Sheating: Hytrel. Guaranteed to withstand 20.000 alternate bending operations! *) Sheating: Polyurethan
 	8KA 007 648-041	1	15-core spirally-coiled cable, 24V (ISO 12 098, 6722 and 4141). Extremely resistant to high and low temperatures as well as weathering, maximum resistance to oils and chemicals. Very good fatigue strenght against repeated bending. Excellent return characteristics. Sheating: Hytrel or Polyurethan. Lead size: 12 x 1.5 + 3 x 2.5 sq. mm. Lead dia.: 15 mm. Outside dia. of coil: 60 mm. Stretched length: 4.0 m.
	8KA 007 648-051	1	Spirally-coiled cable, 24V, with 2 plastic plugs and blue kink guard grommets. Sheating: Hytrel. Guaranteed to withstand 20.000 anternate bending operations! *) Sheating: Polyurethan

*) A minimum of 10.000 alernate bending operations are prescribed by ISO 4141.



	Part no.	Pk.	Spirally-coiled cables, 12/24V 7-core spirally-coiled cable, 12V/24V, "N" Standard version for functions according to German traffic code (StVZO) (ISO 1185, 1724 and 6722) Extremely resistant to high and low temperatures as well as weathering, maximum resistance to oils and chemicals. Very good fatigue strenght against repeated bending. Excellent return characteristics. Sheating: Polyurethan. Lead size: 6 x 1.0 + 1 x 1.5 sq. mm. Lead dia. 8.8 mm. Outside dia. of coil: 48 mm. Stretched length: 4.0 m.
	8KA 007 648-061	1	Spirally-coiled cable, 12V/24V, with 2 metal plugs
     	8KV 002 132-001	10	Cable connectors With 6.3 mm blade terminal contacts. Fixing hole 3.5 mm dia. between each terminal. Cable connector, 12-poles, Dimensions: 145 x 28 x 7 mm
	8KV 002 133-001	10	Dimensions: 142 x 42 x 7 mm
	8KV 002 137-801	1	With solid brass terminals. Connectors can be removed individually. Cable connector set, 6-poles, for cables up to 2.5 sq. mm 4 pieces in Pro-fit pack
	8KV 002 137-001	10	Cable connector, 12-poles, for cables up to 2.5 sq. mm
	8KV 002 139-001	10	according DIN 72 586, for cables up to 4 sq. mm
	8KV 002 139-003	1	Pro-fit pack
	8KV 002 140-001	10	for cables up to 10 sq. mm
	8KV 002 141-001	10	for cables up to 16 sq. mm
	8KV 003 124-811	1	4-poles, with blade terminal contacts. All poles are interconnected. Blade receptacles completely cocealed by housing. Dimensions: 50 x 21 x 7 mm. Cable connector set, 1/3-pole 10 pieces in Pro-fit pack
	8KV 002 135-811	1	Transparent PVC adapter. Cable connector set, 1/2-pole 10 pieces in Pro-fit pack
	8KV 004 871-041	20	With 8 x 4 blade terminal contacts 6.3 x 0.8 mm. Cable connector Dimensions: 106 x 39 x 27 mm
	8KV 003 284-001	1	Dimensions: 68 x 40 x 22 mm



     	Part no.	Pk.	Cable connectors With sealed joints, prevents ingress of moisture, dust, dirt etc. For cables up to 6 sq. mm = 3.5 mm dia. Dimensions: 125 x 73 x 43 mm Cable connector, 6-pole, with screw contacts 8-pole, with screw contacts 8-pole, with 8 terminal contacts 8-pole, with 8 double blade terminal contacts
	8KV 002 142-001	4	
	8KV 002 143-001	4	
	8KV 002 144-001	4	
	8KV 002 145-001	4	
	8KV 004 258-001	4	 With sealed joints, prevents ingress of moisture, dust, dirt etc. For cables up to 6 sq. mm = 3.5 mm dia. Dimensions: 141 x 94 x 58 mm. Cable connector, 16-pole, with screw contacts
	8KV 004 259-001	4	with 8 double blade terminal contacts
	8KV 177 785-007	20	 With sealed joints, prevents ingress of moisture, dust, dirt etc., with plug insert 6.3 x 0.8, 8x 4-pole and 6x 8-pole. Type of protection: IP69K. Cable connector with 12 metric screw connections 1x M25, 3x M20 and 8x M16
	8KV 177 785-017	30	 With 4 metric screw connections 4x M20
  	8JD 005 993-072	10	Fuse boxes Transparent cover and contacts. ATO fuse box, 4-pole, with 8 axial exits 6.3 x 0.8 mm
	8JD 005 993-082	10	with 8 lateral exits 6.3 x 0.8 mm
	8JD 005 993-001	10	 Transparent cover, contacts and 2 fixing lugs. ATO fuse box, 5-pole, with 10 axial exits 6.3 x 0.8 mm, Max. load: 5 x 30 A ATO blade-type fuses
	8JD 005 993-002	1	Pro-fit-pack
	8JD 005 993-021	10	 Transparent cover. 5-pole, with 10 axial solder lugs 2.2 mm. Max. load: 5 x 15 A ATO blade-type fuses



	Part no.	Pk.	Fuse boxes
	8JD 005 993-032	10	Transparent cover and contacts. ATO fuse box, 5-pole, with 10 lateral exits 6.3 x 0.8 mm. Max. load: 5 x 30 A ATO blade-type fuses
	8JD 005 993-092	10	Transparent cover and contacts. 6-pole, with 12 axial exits 6.3 x 0.8 mm
	8JD 005 993-102	10	with 12 lateral exits 6.3 x 0.8 mm
	8JD 005 993-051	10	with 24 axial exits 6.3 x 0.8 mm
	9MK 741 492-001	1	Bridge, 15.8 mm wide for fuse box 8JD 005 993-061
	8JD 005 993-112	10	Transparent cover and contacts. 8-pole, with 16 axial exits 6.3 x 0.8 mm
	8JD 005 993-122	10	with 16 lateral exits 6.3 x 0.8 mm
	8JD 005 993-061	10	with 32 axial exits 6.3 x 0.8 mm or 64 axial exits 2.8 x 0.8 mm
	9MK 741 492-011	80	Bridge, 11.5 mm wide for fuse box 8JD 005 993-061
	8JB 742 649-001	1	Coding set (4 pieces) for fuse box 8JD 005 993-061
	8JD 005 993-131	1	Splash-proof, with holders integrated into cover for 4 spare flat fuses, rubber gasket and 12 contact parts for conductors 1.5 - 2.5 sq. mm. Special fuse box, 12-pole

Part no.		Pk.	Fuse boxes
			Several single potentials can be replaced individually with contact bus bars. Consisting of: basic element with housing, insert, 16 single potentials and transparent cover.
8JD 005 993-161	1		ATO fuse box, 8-pole, with 32 axial exits 6.3 x 0.8 mm. Max. load: 60A with single contacts, 125A with contact bus bars
			Accessories: Contact bus bar
9MK 741 492-022	10		with 2 potentials
9MK 741 492-032	10		with 3 potentials
9MK 741 492-042	10		with 4 potentials
9MK 741 492-052	10		with 6 potentials
9MK 741 492-062	10		mit 6 potentials
9MK 741 492-072	10		with 7 potentials
9MK 741 492-082	10		with 8 potentials
8JB 742 649-041	1		Coding set (4 pieces)
			Consisting of: housing, insert, 16 single potentials and transparent cover. For automatic-fuse series 8JS 174 320-...
8JD 005 993-171	1		Fuse box set, 8-pole, Max. load: 60A with single contacts, 125A with contact bus bars
			Accessories: Contact bus bar
9MK 741 492-022	10		with 2 potentials
9MK 741 492-032	10		with 3 potentials
9MK 741 492-042	10		with 4 potentials
9MK 741 492-052	10		with 5 potentials
9MK 741 492-062	10		with 6 potentials
9MK 741 492-072	10		with 7 potentials
9MK 741 492-082	10		with 8 potentials
8JB 742 649-041	1		Coding set (4 pieces)
			Consisting of: housing, insert, 16 single potentials and transparent cover. For automatic-fuse series 8JS 174 326-...
8JD 005 993-181	1		Fuse box set, 8-pole, Max. load: 60A with single contacts, 125A with contact bus bars
			Accessories: Contact bus bar
9MK 741 492-022	10		with 2 potentials
9MK 741 492-032	10		with 3 potentials
9MK 741 492-042	10		with 4 potentials
9MK 741 492-052	10		with 5 potentials
9MK 741 492-062	10		with 6 potentials
9MK 741 492-072	10		with 7 potentials
9MK 741 492-082	10		with 8 potentials
8JB 742 649-041	1		Coding set (4 pieces)



	Part no.	Pk.	Torpedo fuse boxes
			With 8A fuses according to DIN 72 582, form A, for cables up to 6 sq. mm, with screw- or blade terminal contacts 6.3 x 0.8 mm.
	8JD 002 288-001	10	Fuse box, 1-pole, black cover, screw contacts
	8JD 002 289-001	10	Fuse box, 2-pole, black cover, screw contacts
	8JD 002 289-011	10	Transparent cover, screw contacts
	8JD 002 289-013	1	Pro-fit pack
	8JD 002 289-081	10	Transparent cover, blade terminal contacts
	9XS 091 200-007	100	Bridge for fuse boxes
	8JD 002 294-001	15	Fuse box, 4-pole, black cover, screw contacts
	8JD 002 294-002	1	Pro-fit pack
	8JD 002 294-011	15	Transparent cover, screw contacts
	8JD 002 294-081	10	Transparent cover, blade terminal contacts
	8JD 002 291-001	10	Fuse box, 6-pole, black cover, screw contacts
	8JD 002 291-011	10	Transparent cover, screw contacts
	8JD 002 291-141	10	Transparent cover, blade terminal contacts
	8JD 002 290-001	5	Fuse box, 8-pole, black cover, screw contacts
	8JD 002 290-031	5	Transparent cover, screw contacts
	8JD 002 290-141	10	Transparent cover, blade terminal contacts
	8JD 004 588-001	15	Fuse box, 12-pole, transparent cover, 60 blade terminal contacts 6.3 x 0.8 mm, with 12 fuses 8A

	Part no.	Pk.	PAL fuses (Original Pacific)
	8JS 740 026-001	1	Type Female (AS)
	8JS 740 026-011	1	Pro-fit pack
	8JS 740 026-021	1	20A blue
	8JS 740 026-031	1	30A pink
	8JS 740 026-041	1	40A green
	8JS 740 026-101	1	50A red
	8JS 740 026-111	1	60A yellow
	8JS 740 026-201	1	Type Female small (F)
	8JS 740 026-241	1	Pro-fit pack
	8JS 740 026-251	1	30A pink
	8JS 740 026-211	1	40A green
	8JS 740 026-261	1	50A red
	8JS 740 026-221	1	60A yellow
	8JS 740 026-231	1	70A brown
	8JS 740 026-271	1	80A black
		1	100A blue
	8JS 740 026-311	1	120A white
	8JS 740 026-321	1	Type Bent (C)
	8JS 740 026-331	1	Pro-fit pack
	8JS 740 026-341	1	30A pink
	8JS 740 026-351	1	40A green
	8JS 740 026-301	1	50A red
	8JS 740 026-361	1	60A yellow
	8JS 740 026-371	1	70A brown
		1	80A black
	8JS 740 026-501	1	100A blue
	8JS 740 026-511	1	120A white
	8JS 740 026-521	1	Type Bent short (CS)
	8JS 740 026-531	1	Pro-fit pack
	8JS 740 026-541	1	30A pink
	8JS 740 026-551	1	40A green
	8JS 740 026-561	1	50A red
	8JS 740 026-571	1	60A yellow
	8JS 740 026-601	1	70A brown
	8JS 740 026-611	1	80A black
	8JS 740 026-701	1	100A blue
	8JS 740 026-711	1	120A white
	8JS 740 026-721	1	Type Female slot (D)
		1	Pro-fit pack
		1	25A brown
		1	30A green
		1	Type Female slot (E)
		1	Pro-fit pack
	8JS 740 026-401	1	45A red
	8JS 740 026-411	1	65A black
	8JS 740 026-421	1	75A grey
	8JS 740 026-431	1	JCASE fuses
	8JS 740 026-441	1	Pro-fit pack
		1	20A blue
		1	30A pink
		1	40A green
		1	50A red
		1	60A yellow
		1	Low Profile JCASE fuses
		1	Pro-fit pack
	8JS 740 026-731	1	20A blue
	8JS 740 026-741	1	25A nature
	8JS 740 026-751	1	30A pink
	8JS 740 026-761	1	40A green
	8JS 740 026-771	1	50A red
	8JS 740 026-781	1	60A yellow



	Part no.	Pk.	Blade-type fuses (MINI, ATO, MAXI) according to DIN 72 581, part 3
			MINI blade-type fuses (DIN 72 581, part 3 F) Pro-fit pack Contains: 5 each of
	8JS 728 596-861	1	2A grey
	8JS 728 596-881	1	3A lilac
	8JS 728 596-801	1	4A pink
	8JS 728 596-811	1	5A beige
	8JS 728 596-891	1	7.5A brown
	8JS 728 596-821	1	10A red
	8JS 728 596-831	1	15A blue
	8JS 728 596-841	1	20A yellow
	8JS 728 596-871	1	25A white
	8JS 728 596-851	1	30A green
			Pro-fit pack
	8JS 728 596-081	50	2A grey
	8JS 728 596-101	50	3A lilac
	8JS 728 596-121	50	4A pink
	8JS 728 596-131	50	5A beige
	8JS 728 596-111	50	7.5A brown
	8JS 728 596-141	50	10A red
	8JS 728 596-151	50	15A blue
	8JS 728 596-161	50	20A yellow
	8JS 728 596-091	50	25A white
	8JS 728 596-171	50	30A green
			Pro-fit pack
	8JS 728 596-067	3000	3A lilac
	8JS 728 596-007	3000	4A pink
	8JS 728 596-017	3000	5A beige
	8JS 728 596-077	3000	7.5A brown
	8JS 728 596-027	3000	10A red
	8JS 728 596-037	3000	15A blue
	8JS 728 596-047	3000	20A yellow
	8JS 728 596-057	3000	30A green
			Pro-fit pack Contains 24 pieces: 3 each of 4A, 5A, 30A, 5 each of 10A, 15A, 20A
	8JS 728 596-901	1	MINI blade-type fuse set
			MINI blade-type fuses with bulb
	8JS 728 596-182	10	3A lilac
	8JS 728 596-192	10	5A beige
	8JS 728 596-202	10	7.5A brown
	8JS 728 596-212	10	10A red
	8JS 728 596-222	10	15A blue
	8JS 728 596-232	10	20A yellow
	8JS 728 596-242	10	25A white
	8JS 728 596-252	10	30A green
			Pro-fit pack Contains 5 pieces: 1 each of 5A, 7.5A, 10A, 15A, 20A
	8JS 728 596-921	1	MINI blade-type fuse set
			Low Profile MINI
	8JS 728 596-262	5	2A grey
	8JS 728 596-272	5	3A lilac
	8JS 728 596-282	5	4A pink
	8JS 728 596-292	5	5A orange
	8JS 728 596-302	5	7,5A brown
	8JS 728 596-312	5	10A red
	8JS 728 596-322	5	15A blue
	8JS 728 596-332	5	20A yellow
	8JS 728 596-342	5	25A clear
	8JS 728 596-352	5	30A green



Part no.	Pk.	Blade-type fuses (MINI, ATO, MAXI) according to DIN 72 581, part 3
ATO blade-type fuses (DIN 72 581, part 3 C)		
Pro-fit pack		
Contains: 5 each of		
8JS 711 683-831	1	1A black
8JS 711 683-841	1	2A grey
8JS 711 683-821	1	3A lilac
8JS 711 683-881	1	4A pink
8JS 711 684-821	1	5A beige
8JS 711 685-821	1	7.5A brown
8JS 711 686-821	1	10A red
8JS 711 687-821	1	15A blue
8JS 711 688-821	1	20A yellow
8JS 711 689-821	1	25A white
8JS 711 690-821	1	30A green
8JS 711 683-871	1	35A dark blue
8JS 711 683-851	1	40A orange
Pro-fit pack		
8JS 711 683-011	50	1A black
8JS 711 683-021	50	2A grey
8JS 711 683-002	50	3A lilac
8JS 711 683-052	50	4A pink
8JS 711 684-002	50	5A beige
8JS 711 685-002	50	7.5A brown
8JS 711 686-002	50	10A red
8JS 711 687-002	50	15A blue
8JS 711 688-002	50	20A yellow
8JS 711 689-002	50	25A white
8JS 711 690-002	50	30A green
8JS 711 683-042	50	35A dark blue
8JS 711 683-031	50	40A orange
Pro-fit pack		
8JS 711 683-007	2000	3A lilac
8JS 711 684-007	2000	5A beige
8JS 711 685-007	2000	7.5A brown
8JS 711 686-007	2000	10A red
8JS 711 687-007	2000	15A blue
8JS 711 688-007	2000	20A yellow
8JS 711 689-007	2000	25A white
8JS 711 690-007	2000	30A green
Pro-fit pack		
Contains 109 pieces:		
15 each of 5A, 7.5A, 10A, 15A, 20A, 25A, 30A		
and 4 fuse holder 8KV 004 418-004		
8JS 004 743-803	1	ATO blade-type fuse set
Pro-fit pack		
Contains 10 pieces:		
1 each of 3A, 5A, 7.5A, 15A, 25A, 30A;		
2 each of 10A, 20A		
8JS 711 683-903	1	ATO blade-type fuse set
Polyethylene bag		
Contains 30 pieces:		
5 each of 2A, 5A, 7.5A, 15A, 20A, 30A		
8JS 711 683-861	1	ATO blade-type fuse set
Pro-fit pack		
Contains 476 pieces:		
25 each of ATO blade-type fuses:		
2A, 3A, 4 A, 5A, 7.5 A, 10A, 15A,		
20A, 25A, 30A, 40A		
20 each of MINI blade-type fuses:		
2A, 3A, 4A, 5A, 7.5 A, 10A, 15A, 20A, 25A, 30A		
1 MINI and 1 ATO blade-type fuse tweezer		
8PE 713 576-011		
8JS 009 257-801	1	ATO/MINI blade-type fuse set



	Part no.	Pk.	Blade-type fuses (MINI, ATO, MAXI) according to DIN 72 581, part 3
			ATO blade-type fuses with bulb Pro-fit pack
	8JS 711 683-062	10	3A lilac
	8JS 711 683-072	10	5A beige
	8JS 711 683-082	10	7.5A brown
	8JS 711 683-092	10	10A red
	8JS 711 683-102	10	15A blue
	8JS 711 683-112	10	20A yellow
	8JS 711 683-122	10	25A white
	8JS 711 683-132	10	30A green
			Pro-fit pack Contains 5 pieces: 1 each of 5A, 7.5A, 10A, 15A, 20A
	8JS 711 683-931	1	ATO blade-type fuse set
			Blade-type fuses for elektric vehicles up to 80V Polyethylene bag
	8JS 711 683-202	10	3A lilac
	8JS 711 683-212	10	5A beige
	8JS 711 683-222	10	7.5A brown
	8JS 711 683-232	10	10A red
	8JS 711 683-242	10	15A blue
	8JS 711 683-252	10	20A yellow
	8JS 711 683-262	10	25A white
	8JS 711 683-272	10	30A green
			MAXI blade-type fuses (DIN 72 581, part 3 E) Pro-fit pack
	8JS 728 595-051	1	20A yellow
	8JS 728 595-061	1	30A green
	8JS 728 595-071	1	40A orange
	8JS 728 595-081	1	50A red
	8JS 728 595-091	1	60A blue
	8JS 728 595-101	1	70A braun
	8JS 728 595-111	1	80A white
			Pro-fit pack Contains 13 pieces: 1 each of 20A, 3 each of 30A, 40A, 50A, 60A
	8JS 728 595-131	10	20A yellow
	8JS 728 595-141	10	30A green
	8JS 728 595-151	10	40A orange
	8JS 728 595-161	10	50A red
	8JS 728 595-171	10	60A blue
	8JS 728 595-181	10	70A brown
	8JS 728 595-191	10	80A white
	8JS 728 595-901	1	MAXI blade-type fuse set
			MINI and ATO blade-type fuse tweezer
	8PE 713 576-011	1	
			MAXI blade-type fuse tweezer
	8PE 713 576-021	1	



	Part no.	Pk.	Thermal automatic fuses
			Interchangeable with ATO blade-type fuse. Rated voltage: 32V, can be reset.
	8JS 174 320-001	10	5A, light brown
	8JS 174 320-011	10	7.5A, brown
	8JS 174 320-021	10	10A, red
	8JS 174 320-031	10	15A, blue
	8JS 174 320-041	10	20A, yellow
	8JS 174 320-051	10	25A, white
	8JS 174 320-061	10	30A, light green
	8JS 174 320-071	10	40A, orange
	Rated voltage: 28V, with manual release.		
	8JS 174 326-001	10	5A, light brown
	8JS 174 326-011	10	7.5A, brown
	8JS 174 326-021	10	10A, red
	8JS 174 326-031	10	15A, blue
	8JS 174 326-041	10	20A, yellow
	8JS 174 326-051	10	25A, white
	8JS 174 326-061	10	30A, light green
	Rated voltage: 12V, self-resetting.		
	8JS 174 328-001	10	12A
	8JS 174 328-011	10	15A
	8JS 174 328-021	10	20A
	8JS 174 328-031	10	30A
	Suitable for MINI base. Rated voltage: 14V, self-resetting.		
	8JS 174 330-001	10	5A
	8JS 174 330-011	10	7.5A
	8JS 174 330-021	10	10A
	8JS 174 330-031	10	15A
	8JS 174 330-041	10	20A
	8JS 174 330-051	10	25A
	8JS 174 330-061	10	30A
	Suitable for MAXI base. Rated voltage: 24V, self-resetting.		
	8JS 174 333-001	10	10A
	8JS 174 333-011	10	15A
	8JS 174 333-021	10	20A
	8JS 174 333-031	10	25A
	8JS 174 333-041	10	30A
	8JS 174 333-051	10	35A
	8JS 174 333-061	10	40A
	8JS 174 333-071	10	50A



   	Part no.	Pk.	MIDI-High current fuses
	8JS 742 901-061 8JS 742 901-001 8JS 742 901-011 8JS 742 901-021 8JS 742 901-031 8JS 742 901-041 8JS 742 901-051 8JS 742 901-071 8JS 742 901-081	1 1 1 1 1 1 1 1 1	Pro-fit pack 30A pink 40A green 50A red 60A yellow 70A brown 80A white 100A blue 125A orange 150A grey
	8JS 742 902-001 8JS 742 902-011 8JS 742 902-021 8JS 742 902-031 8JS 742 902-041 8JS 742 902-061 8JS 742 902-051 8JS 742 902-071 8JS 742 902-081 8JS 742 902-091 8JS 742 902-101 8JS 742 902-111	1 1 1 1 1 1 1 1 1 1 1 1 1	MEGA-High current fuses Pro-fit pack 100A yellow 125A green 150A red 175A white 200A blue 225A brown 250A pink 300A grey 350A dark green 400A violet 450A beige 500A dark brown
	8JS 704 073-801 8JS 025 889-801 8JS 089 015-801 8JS 091 603-801 8JS 704 073-003 8JS 025 889-003 8JS 089 015-003 8JS 091 603-003 8JS 713 144-003 8JS 003 481-803	1 1 1 1 100 100 100 100 100 1	Torpedo fuses (DIN 72 581 part 1), 6 x 25 mm Pro-fit pack Contains: 5 each of 5A yellow 8A white 16A red 25A blue Pro-fit pack 5A yellow 8A white 16A red 25A blue 40A grey Pro-fit pack Contains 10 pieces: 1 each of 2.5A (5 x 20 mm), 5A, 25A, 4 x 8A, 3 each of 16A Torpedo fuse set
	8JS 713 804-811 8JS 713 550-801 8JS 713 549-003 8JS 713 804-003 8JS 713 550-003	1 1 100 100 100	Glass-tube fuses 5 x 20 mm Pro-fit pack Contains 10 pieces: 2.5A 5A Pro-fit pack 1A 2.5A 5A



	Part no.	Pk.	Glass-tube fuses
			6.3 x 32 mm
			Pro-fit pack
	8JS 713 564-002	50	5A
	8JS 713 805-003	50	10A
	8JS 713 806-003	50	15A
	8JS 713 807-003	50	20A
	8JS 713 808-003	50	25A
	8JS 713 567-003	50	30A
			Pro-fit pack
			Contains 8 pieces: 1 each of 2.5A (5 x 20 mm), 25A, 3 each of 10A, 20A
	8JS 003 481-823	1	Glass-tube fuse set
			Pro-fit pack
			Contains 18 pieces: 2 each of 1A, 2.5A, 5A (5 x 20 mm), 5A, 10A, 15A, 20A, 25A, 30A
	8JS 735 379-801	1	Glass-tube fuse set
			Fuse stripes 41 x 11 mm
	8JS 713 575-011	100	30A
	8JS 713 575-021	100	50A
	8JS 713 575-031	100	60A
	8JS 713 575-001	100	80A
	8JS 713 575-041	100	100A
	8JS 713 575-051	100	125A
	8JS 713 575-061	100	150A
			HSB fuse stripes 42 x 12 mm (Volkswagen, Opel etc.)
			Polyethylene bag
	8JS 713 575-102	10	30A
	8JS 713 575-112	10	40A
	8JS 713 575-122	10	50A
	8JS 713 575-132	10	60A
	8JS 713 575-142	10	80A
	8JS 713 575-152	10	110A
	8JS 713 575-162	10	150A
	8JS 713 575-172	10	175A
			Fuse stripes for railless battery vehicles (DIN 43 560, part 1), 82 x 20 mm
			Polyethylene bag
	8JS 713 575-201	1	35A
	8JS 713 575-211	1	50A
	8JS 713 575-221	1	63A
	8JS 713 575-231	1	80A
	8JS 713 575-241	1	100A
	8JS 713 575-251	1	125A
	8JS 713 575-261	1	160A
	8JS 713 575-271	1	200A
	8JS 713 575-281	1	250A
	8JS 713 575-291	1	300A
	8JS 713 575-301	1	355A
	8JS 713 575-311	1	425A



	Part no.	Pk.	CF8 Main fuses up to 58V Insulating element: ceramic C221. Polyethylene bag 50A 75A 100A 125A 150A 175A 200A 250A 300A Accessories: Polyethylene bag Insulating nut
	8JS 747 876-001 8JS 747 876-011 8JS 747 876-021 8JS 747 876-031 8JS 747 876-041 8JS 747 876-051 8JS 747 876-061 8JS 747 876-071 8JS 747 876-081 9MJ 747 877-001	1 1 1 1 1 1 1 1 1 1 1	
	8JD 743 557-001 8JD 743 557-011	1 1	Holder for fuses Water-proof, 100 mm long. Pro-fit pack MINI-fuse holder with lead size 2 sq. mm, both sides with lead size 3 sq. mm, both sides
	8JD 743 557-091 8JD 743 557-101	1 1	LowProfile MINI-holder with lead size 0.75 sq. mm, both sides, max 10A with lead size 3 sq. mm, both sides, max 30A
	8JD 743 557-021 8JD 743 557-031	1 1	Water-proof, 100 mm long. Pro-fit pack ATO fuse holder, with lead size 1.3 sq. mm, both sides, max. 20A with lead size 3.3 sq. mm, both sides, max. 30A
	8JD 743 557-041 8JD 743 557-051	1 1	100 mm long. Pro-fit pack with lead size 1.3 sq. mm, both sides, max. 20A with lead size 3.3 sq. mm, both sides, max. 30A
	8KV 004 418-821 8KV 004 418-004	1 10	Blade terminal contacts 6.3 x 0.8 mm. ATO fuse holder 2 pieces in Pro-fit pack Pro-fit pack
	8KV 714 340-811 8KV 714 340-002 8KV 714 340-007	1 10 100	Housing made of blue plastic, also for direct connexion to lead, for lead sizes from 0.75 - 2.0 sq. mm. ATO fuse holder 2 pieces in Pro-fit pack Pro-fit pack Polyethylene bag
	8JA 007 024-001	1	With 2 double-spring contacts 8KW 054 944-003. Several holders can be joined together. Can be joined together with 9-pole socket housing 8JA 003 526-001. ATO-fuse holder



      	Part no.	Pk.	Holder for fuses With 2 double-spring contacts 8KW 054 944-003 and cover, for lead size up to 2.5 sq. mm, for lead sizes from 2.5 - 4.0 sq. mm take double-spring contacts 8KW 054 943-003! Several holders can be joined together. Max. load: 30A. ATO-fuse holder 2 pieces in Pro-fit pack Pro-fit pack
	8JD 005 235-801 8JD 005 235-002	1 6	
	8JD 743 557-801	1	For fusing retrofitted equipment such as: - Electric sliding roof - Car phone - Amplifier - Navigation system - Refrigerator box Pro-fit pack contains: 1 fuse holder, 4 each of blade-type fuses 3A, 5A, 7.5A, 10A MINI-fuse holder
	8JD 743 557-811	1	ATO-fuse holder
	8JD 743 708-001	1	Water-proof, with cover, 2 screws, contacts for lead sizes from 2.5 - 6.0 sq. mm and from 5.0 - 10.0 sq. mm. Max. load to 60A. MAXI-fuse holder Pro-fit pack
	8JD 743 710-001 8JD 743 709-001	1 1	Water-proof, with cover, seal and contacts. Max. load 20A - 80A. Pro-fit pack for lead sizes from 4 - 6 sq. mm for lead sizes from 6 - 10 sq. mm
	8JD 743 136-001	1	Also suitable for 41 x 11 mm and 42 x 12 mm HSB fuse stripes. Max. load 30A - 150A. MIDI-fuse holder Pro-fit pack
	8JD 743 135-001	1	Max. load 100A - 250A. MEGA-fuse holder Pro-fit pack



  	Part no.	Pk.	Holder for fuses Bayonet fastening. With screw contact. For lead sizes from 1.5 - 2.5 sq. mm. Bakelite/Torpedo-fuse holder (DIN 72 581) with 8A fuse 2 pieces in Pro-fit pack Pro-fit pack with 5A fuse with 16A fuse with 25A fuse without fuse
	8KV 002 127-801 8KV 002 127-003 8KV 002 127-007 8KV 002 136-001 8KV 002 127-021 8KV 002 127-011 8KV 002 136-011	1 10 1000 10 10 10 10	
	8KV 003 285-801 8KV 003 285-002	1 8	With 2A glass-tube fuse and connecting lead 170 mm long. Two 6.3 mm blade receptacles. Glass-tube fuse holder 5 x 20 mm 2 pieces in Pro-fit pack Pro-fit pack
	8JD 743 557-081	1	For fuse stripes on railles battery vehicles. Fuse holder Pro-fit pack



	Part no.	Pk.	Starter cable With battery terminal clip and M8 ring tongue. For lead size 25 sq. mm. Pole 17.5 mm dia.
	8KX 707 919-021	5	Starter cable, 900 mm long
    	8KX 707 916-001	5	Engine earthing straps Of highly flexible copper mesh. Lead-covered ends. For lead size 16 sq. mm. Pole 10.5 mm dia. Max. load: 65A. Engine earthing strap, 150 mm long
	8KX 707 916-011	5	200 mm long
	8KX 707 916-021	5	250 mm long
			For lead size 21 sq. mm. Pole 10.5 mm dia. Max. load: 80A. Engine earthing strap, 200 mm long
	8KX 707 917-011	5	250 mm long
	8KX 707 917-021	5	300 mm long
	8KX 707 917-031	5	300 mm long
			Bare copper band, 2-layer. Both ends with end strap. Pole 10.5 mm dia. Engine earthing strap, 300 mm long
			Screening earth straps Of highly flexible copper mesh. Lead-covered ends. For lead size 10 sq. mm. Pole 8.5 mm dia. Max. load: 48A. Screening earth strap, 180 mm long
	8KX 707 918-001	5	210 mm long
	8KX 707 918-011	5	280 mm long
	8KX 707 918-021	5	400 mm long
	8KX 707 918-031	5	400 mm long
			Battery earth straps Of highly flexible copper mesh, with brass strap clip. Ends and strap clips lead-covered. For lead size 21 sq. mm. Pole 15.9 mm dia. Max. load: 80A. Earth strap, 180 mm long
	8KX 091 391-001	10	250 mm long
	8KX 091 392-001	10	300 mm long
	8KX 091 394-001	10	320 mm long
	8KX 091 395-001	10	350 mm long
	8KX 719 756-001	10	400 mm long
	8KX 719 757-001	9	500 mm long
	8KX 719 757-012	10	500 mm long
			Bare copper band, 2-layer. One end with end strap, the other end with battery clamp form R in accordance with DIN 72333. Earth strap, 500 mm long
	8KX 175 421-002	5	



		Part no.	Pk.	Battery terminal clips
 Shape A	 Shape B	 Shape C	 Shape D	Lead-free material, with cable connection on side, in compliance with DIN 72 331. For lead sizes up to 70 sq. mm. Pole dia. 17.5 mm.
				8KX 091 450-032 25 Left + Shape A
				8KX 091 450-031 1 Pro-fit-pack
				For lead sizes up to 70 sq. mm. Pole dia. 15.9 mm.
				8KX 043 021-032 25 Right - Shape B
				8KX 043 021-031 1 Pro-fit-pack
				For lead sizes up to 70 sq. mm. Pole dia. 17.5 mm.
				8KX 091 451-032 25 Right + Shape C
				8KX 091 451-031 1 Pro-fit-pack
				For lead sizes up to 70 sq. mm. Pole dia. 17.5 mm.
 Shape E	 Shape E	 Shape F	 Shape E	8KX 091 452-032 25 Left - Shape D
				8KX 091 452-031 1 Pro-fit-pack
				For lead sizes from 50 - 120 sq. mm, with light cable connection. Pole dia. 17.5 mm.
				8KX 091 453-001 10 Left + Shape E
				For lead sizes from 50 - 120 sq. mm, without light cable connection. Pole dia. 17.5 mm.
				8KX 707 911-001 10 Left + Shape E
				For lead sizes from 50 - 120 sq. mm, without light cable connection. Pole dia. 15.9 mm.
				8KX 707 911-011 10 Right- Shape F
				For lead sizes from 10 - 70 sq. mm, without light cable connection.
				8KX 716 405-001 10 Right + Shape E. Pole dia. 17.5 mm
 Shape E	 Shape E			8KX 716 405-011 10 Left - Shape E. Pole dia. 15.9 mm
				Special battery terminal clips
				For lead sizes from 50 -120 sq. mm.
				8KX 707 912-001 10 Without light cable connection, + terminal clip. Pole dia. 17.5 mm
				8KX 707 912-011 10 with light cable connection, - terminal clip. Pole dia. 15.9 mm
 Shape E				For lead sizes from 50 -120 sq. mm.
				8KX 707 913-011 10 With M12 x 1.5 bolt. - terminal clip. Pole dia. 17.5 mm
				8KX 707 913-001 10 with M10 x 1.5 bolt, + terminal clip. Pole dia. 15.9 mm



 	Part no.	Pk.	Battery terminal clips
	8KX 742 695-032	10	Brass clamp. Nut and bolt galvanised. Battery terminal clip Ford +
	8KX 742 695-022	10	Ford -
	8KX 742 696-011	10	Renault +
	8KX 742 696-001	10	Renault -
	8KX 747 875-001	1	Bolt diameter: 8 mm. 1-pole
	8KX 747 875-011	1	2-pole
	8KX 174 396-012	10	Lead-free material, galvanised. Material Quick Lock handle: PBT GF 40 Pole dia. 19.5 mm



	Part no.	Pk.	Crimp terminal sets Contains 20 each of: Ring connector M4 0.5-1.5 sq. mm Ring connector M5 0.5-1.5 sq. mm Blade receptacle 6.3 mm 0.5-1.0 sq. mm Blade terminal 6.3 mm 0.5-1.0 sq. mm Pin socket 4 mm 0.5-1.0 sq. mm Fork connector M5 1.5-2.5 sq. mm Blade receptacle 6.3 mm 1.5-2.5 sq. mm Ring connector M4 1.5-2.5 sq. mm Ring connector M5 1.5-2.5 sq. mm Ring connector M6 1.5-2.5 sq. mm Butt connector 1.5-2.5 sq. mm 2-way connector 6.3 mm 1.5-2.5 sq. mm Blade terminal 6.3 mm 1.5-2.5 sq. mm Pin socket 4 mm 0.5-1.0 sq. mm Blade receptacle 2.8 mm 0.5-1.0 sq. mm Blade receptacle fully insul. 6.3 mm 0.5-1.0 sq. mm Ring connector M5 4.0-6.0 sq. mm Ring connector M6 4.0-6.0 sq. mm Splice connector blue Coupling transparent 1 crimping tool Expert
	8KW 009 254-801	1	Crimp terminal set, insulated
			Contains 50 each of: Blade receptacle w. lock. tab 2.8 mm 0.5-1.0 sq. mm Blade receptacle 4.8 mm 0.5-1.0 sq. mm Blade terminal w. lock. tab 2.8 mm 0.5-1.0 sq. mm Blade receptacle w. lock. tab 4.8 mm 0.5-1.0 sq. mm Blade receptacle 6.3 mm 0.5-1.0 sq. mm Blade terminal w. lock. tab 6.3 mm 0.5-1.0 sq. mm Blade receptacle w. lock. tab 6.3 mm 0.5-1.0 sq. mm Blade receptacle 6,3 mm 1.5-2.5 sq. mm Blade terminal 6.3 mm 1.5-2.5 sq. mm Blade terminal w. lock. tab 6.3 mm 1.5-2.5 sq. mm Blade receptacle w. lock. tab 6.3 mm 1.5-2.5 sq. mm Contains 20 each of: Blade receptacle w. lock. tab 9.5 mm 2.5-6.0 sq. mm 2-way connector 6.3 mm 3-way connector 6.3 mm 2-way connector 6.3 mm 1.5-2.5 sq. mm Blade receptacle w. lock. tab 6.3 mm 1.5-2.5 sq. mm Blade receptacle 6.3 mm 0.5-1.0 sq. mm Blade terminal 6.3 mm, 45° Blade terminal 6.3 mm, Ø 5.3 mm Coupling 6.3 mm
	8KW 009 255-801	1	Crimp terminal set, non-insulated
	8KW 009 253-801	1	Duraseal crimp terminal set Contains 15 each of: Butt connector 0.5-1.0 sq. mm Ring connector M6 1.5-2.5 sq. mm Blade receptacle 6.3 mm 0.5-1.0 sq. mm Pin terminal 1.5-2.5 sq. mm Butt connector 1.5-2.5 sq. mm Ring connector M6 4.0-6.0 sq. mm Blade receptacle 6.3 mm 1.5-2.5 sq. mm Pin socket 5 mm 1.5-2.5 sq. mm Butt connector 4.0-6.0 sq. mm Ring connector M8 1.5-2.5 sq. mm Blade terminal 6.3 mm 0.5-1.0 sq. mm Fork connector M4 1.5-2.5 sq. mm Ring connector M5 1.5-2.5 sq. mm Ring connector M5 4.0-6.0 sq. mm Blade terminal 6.3 mm 1.5-2.5 sq. mm Fork connector M5 1.5-2.5 sq. mm



    	Part no.	Pk.	Crimp terminal-, blade type fuse and O-ring sets Contains 5 each of: Pin housing 1-pole, 2-pole, 3-pole, 4-pole, 5-pole, 6-pole Bush housing 1-pole, 2-pole, 3-pole, 4-pole, 5-pole, 6-pole Contains 100 each of: Pin contact 1.0-1.5 sq. mm Bush contact 1.0-1.5 sq. mm Single conductor gasket 1.8-2.4 sq. mm Dummy plugs
	8JA 009 256-801	1	Superseal connector set
	8JS 009 257-801	1	Contains: 25 each of ATO blade-type fuses: 2A, 3A, 4 A, 5A, 7.5 A, 10A, 15A, 20A, 25A, 30A, 40A 20 each of MINI blade-type fuses: 2A, 3A, 4A, 5A, 7.5 A, 10A, 15A, 20A, 25A, 30A 1 MINI and 1 ATO blade-type fuse tweezer 8PE 713 576-011
	9XX 863 801-001	1	Handy-Box for assortment case (without case)
	9XX 863 802-001	1	Assortment case (empty, without dividers)
	9XX 863 800-021	1	Dividers 7-1 for assortment case. Each case can hold a maximum of 8 dividers.
	9XX 863 800-011	1	Dividers 8-1 for assortment case. Each case can hold a maximum of 16 dividers.
	9XX 863 800-001	1	Dividers 9-1 for assortment case. Each case can hold a maximum of 32 dividers.



Cables							
Cable cross-section sq. mm	Colour of insulation	Meter / Reel Min. order quantity	Part no. 	Meter / Coil = Min. order quantity	Part no. 	Meter / Coil = Min. order quantity	Part no.
Single core cable for lighting, signalling and other electrical equipment. Cables with cross-section of 4sq. mm and greater can also be used as charging or starter cables. Layout: Bare, soft annealed CU wires, insulating sleeves of thermoplastic material (PVC). Short description: FLY Standard: DIN ISO 6722-3							
0.75	black white yellow grey green red blue brown	100 m	8KL 054 001-002 8KL 054 002-002 8KL 054 003-002 8KL 054 004-002 8KL 054 005-002 8KL 054 006-002 8KL 054 007-002	50 m	8KL 712 929-001 8KL 712 930-001 8KL 712 931-001 8KL 712 929-011 8KL 712 932-001 8KL 712 933-001 8KL 712 934-001 8KL 712 935-001	-	-
1.0	black white yellow green red blue brown		8KL 054 008-002 8KL 054 009-002 8KL 054 010-002 8KL 054 011-002 8KL 054 012-002 8KL 054 013-002 8KL 054 014-002		8KL 712 936-001 8KL 712 937-001 8KL 712 938-001 8KL 712 939-001 8KL 712 940-001 8KL 712 941-001 8KL 712 942-001	-	-
1.5	black white yellow grey green red blue brown violet		8KL 712 943-002 8KL 712 944-002 8KL 712 945-002 8KL 712 946-002 8KL 712 947-002 8KL 712 948-002 8KL 712 949-002 8KL 712 950-002 8KL 712 951-002		8KL 712 943-001 8KL 712 944-001 8KL 712 945-001 8KL 712 946-001 8KL 712 947-001 8KL 712 948-001 8KL 712 949-001 8KL 712 950-001 8KL 712 951-001	-	-
	green/red grey/black black/white black/red black/green	-	-		8KL 717 460-001 8KL 717 461-001 8KL 717 462-001 8KL 717 463-001 8KL 717 464-001	-	-
2.5	black white yellow grey green red blue brown	50 m	8KL 712 952-002 8KL 712 953-002 8KL 712 954-002 8KL 712 955-002 8KL 712 956-002 8KL 712 957-002 8KL 712 958-002 8KL 712 959-002		8KL 712 952-001 8KL 712 953-001 8KL 712 954-001 8KL 712 955-001 8KL 712 956-001 8KL 712 957-001 8KL 712 958-001 8KL 712 959-001	-	-
4.0	black yellow red blue	25 m	8KL 712 960-002 8KL 712 961-002 8KL 712 962-002 8KL 712 963-002		8KL 712 960-001 8KL 712 961-001 8KL 712 962-001 8KL 712 963-001	-	-
6.0	black red blue	-	-		8KL 712 964-001 8KL 712 965-001 8KL 712 966-001	-	-
10.0 10.0 16.0 25.0 35.0 50.0	black red black black black black	-	-		8KL 712 967-001 8KL 712 968-001 8KL 712 969-001 8KL 712 970-001 8KL 712 971-001 8KL 712 972-001	-	-



Cables

Cable cross-section sq. mm	Colour of insulation	Meter / Reel Min. order quantity	Part no. 	Meter / Reel Min. order quantity	Part no. 
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Single (two) core cable for lighting, signalling equipment, etc.
Layout: Bare, soft annealed CU wires, insulating sleeves of thermoplastic material (PVC).
Short description: FLYY Standard: DIN ISO 6722-3

1 x 1.5 1 x 2.5 2 x 1.5 2 x 2.5 2 x 0.75	black	50 m 25 m 50 m	8KL 712 975-002 8KL 712 976-002 8KL 712 977-002 - 8KL 735 190-002	50 m 100 m	8KL 712 975-001 8KL 712 976-001 8KL 712 977-001 8KL 712 978-001 8KL 735 190-001
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Flat cable suitable for loudspeakers and stereo equipment.
Layout: Bare, soft annealed CU wires, insulating sleeves of thermoplastic material (PVC), 2 conductors connected by separable web.
Short description: XYFAZ Standard: DIN ISO 6722-3

2 x 0.38 2 x 0.75 2 x 1.5	black/red brown/ brown-red black/ black-grey	100 m	8KL 712 982-002 8KL 712 980-002 -	50 m	- 8KL 712 980-001 8KL 712 981-001
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Ignition cables. Suitable for use as high-tension ignition cable for non-shielded application.
Layout: Bare, soft annealed fine stranded CU flex, insulating sleeves of thermoplastic material (PVC).
Short description: FZLY Standard: DIN ISO 3808

1.0 5 mm dia. 1.0 7 mm dia. 1.0 7 mm dia.	black black transparent	-	-	50 m	8KL 712 983-001 8KL 712 984-001 8KL 712 985-001
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Cable cross-section sq. mm	Colour of insulation	Colour of individual leads
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Multi-core flat cables.
Layout: Bare, soft annealed CU wires, insulating sleeves of thermoplastic material (PVC), conductors connected by separate webs.
Short description: FLZY Standard: DIN ISO 6722-3

2 x 0.5 4 x 0.5	black	black/red blue/white/black/red	- -	100 m 50 m	8KL 054 017-001 8KL 054 018-001
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Cables				
Cable cross-section sq. mm	Colour of insulation	Color of individual leads	Meter / Coil = Min. order quantity	Part no. 
Light multi-core cable with plastic outer sheat. Layout: Copper conductor, bare, fine wire, insulation and outer sheath made of PVC. Short description: FLYY Standard: DIN ISO 6722				
2 x 0.75 4 x 0.75 4 x 0.75 6 x 0.75 7 x 0.75	black	blue, brown black, white, red, yellow brown, white, red, green black, brown, white, red, yellow, green black, brown, blue, white, red green, yellow	200 m	8KL 712 986-001 8KL 712 987-001 8KL 712 988-001 8KL 712 989-001 8KL 712 990-001
Multi-core cable, round. Layout: Copper conductor, bare, fine wire, insulation and outer sheath made of PVC. Short description: FLYY Standard: DIN ISO 6722				
2 x 1.0 2 x 1.5 3 x 1.5 4 x 1.0 4 x 1.5 5 x 1.0 5 x 1.5 7 x 1.0 7 x 1.5 8 x 1.5	black	blue, brown blue, brown blue, brown, black black, white, red, brown black, white, red, brown black, brown, white, red, blue black, brown, white, red, blue black, brown, blue, white, red, green, yellow black, brown, blue, white, red, green, yellow black, brown, white, red, blue, green, yellow, grey	50 m	8KL 712 991-001 8KL 712 992-001 8KL 712 993-001 8KL 712 994-001 8KL 712 995-001 8KL 712 996-001 8KL 715 434-001 8KL 715 435-001 8KL 712 997-001 8KL 713 735-001
Multi-core cable, round. Layout: Copper conductor, bare, fine wire, outer sheath made of rubber. Short description: FL3G3G Standard: DIN ISO 6722				
3 x 0.75 2 x 1.5 3 x 1.0 3 x 1.5 4 x 1.5 5 x 1.5 7 x 1.5	black	blue, brown, black blue, brown blue, brown, black blue, brown, black black, white, red, brown black, brown, white, red, blue black, brown, blue, white, red, green, yellow	50 m	8KL 713 737-001 8KL 713 740-001 8KL 713 741-001 8KL 713 742-001 8KL 713 744-001 8KL 715 436-001 8KL 715 437-001
13-core cable. Layout: Bare, doft annealed CUwires, insulation and outer sheath made of thermoplastic material (PVC). Short description: FLYY Standard: DIN ISO 6722-3				
9 x 1.5 4 x 2.5	black	black, green, blue brown, red, yellow	25 m	8KL 719 852-001
15-core cable. Layout: Bare, soft annealed CU wires, insulation and outer sheath made of thermoplastic material (PVC). Colour and numbering of individual conductors correspond to Standard ISO 4141-3. Short description: FLYY Standard: DIN ISO 6722				
12 x 1.5 3 x 2.5	black	brown, black, red, blue, yellow, green, grey, rosa white/green, white/blue, white/black, white/brown white, red/white, orange	25 m	8KL 742 810-001
Special welding cable for connection to automatic and manual welders. Layout: Copper conductor, bare, fine wire, outer sheath made of rubber. Short description: H01N2-D Standard: VDE 0202 Part 6 and HD 22.6 S2.				
16.0 25.0 35.0 50.0	black	-	50 m	8KL 713 750-001 8KL 713 751-001 8KL 713 752-001 8KL 713 753-001



Cables

Cable cross-section sq. mm	Colour of insulation	Color of individual leads	Meter / Coil = Min. order quantity	Part no. 
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Two-core flat cable, outer sheath made of PVC
Short description: FLFY

2 x 0.75 2 x 1.5 2 x 2.5	black	blue, brown blue, brown blue, brown	50 m	8KL 177 729-002 8KL 177 729-012 8KL 177 729-022
2 x 1.5 2 x 1.5	black grau	blue, brown blue, brown		8KL 177 729-112 8KL 177 729-212

Two-core cable, outer sheath made of PVC
Short description: H05 VV-F

2 x 0.75 2 x 1.0 2 x 1.5	black	blue, brown blue, brown blue, brown	100 m	8KL 177 370-002 8KL 177 370-012 8KL 177 370-022
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Two-core cable, outer sheath made of rubber
Short description: H05 RR-F

2 x 0.75 2 x 1.0	black	blue, brown blue, brown	100 m	8KL 713 740-022 8KL 713 740-012
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Loudspeaker cable
Short description: XYFAZ

2 x 0.75	red/black		100 m	8KL 713 740-022
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Battery Chargers	9.03-9.04
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Rear view camera systems	9.02
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     	Part no.	Pk.	Rear view camera system for universal flush and surface mounting RVS-1 Contents: High-quality RVC-1 rear view camera, incl. 5-inch TFT monitor and 10 m professional harness as well as installation material. - Is automatically activated when engaging reverse gear - Compact TFT monitor with an overall diagonal display measurement of 12.6 cm. Also suitable for connection to other video sources (DVD, DVB-T, etc.). - Image signal: NTSC - All components meet the high quality requirements of the automotive industry
	5BD 009 690-001	1	Rear view camera system, 12V
			RVC-1 Rear view camera with 500 mm connecting lead and installation material. - Small dimensions (W x H x D with holding bracket: 56 x 47 x 38 mm) - Extremely large visual range: 92° vertical and 120° horizontal - Extremely high vibration resistance - Operating temperature: -40 °C to +85 °C - Variable surface-mounting possibilities (e.g. to tailgates, spoilers, grip rails) - High-quality, digital image capture: 1/3 inch CMOS with 250.000 pixels - It is also possible to connect the camera to many displays already present in the vehicle - Image signal: NTSC
	5BD 166 175-001	1	Rear view camera system, 12V
	8KB 166 530-001	1	Accessories: Connection cable, 10 m
	8KB 169 080-001	1	Adapter harness for the connection of the RVC-1 rear view camera to players with a cinch output
	8KB 169 079-001	1	for the connection of video sources with cinch output to the monitor
	8ES 006 658-001	1	Accessories for RVS-1 and RVC-1: Voltage transformer for rear view camera with 24V operating voltage
	9BG 169 974-001	1	Housing for rear view camera
	9BG 169 975-001	1	Housing for rear view camera and LED safety brake light
	2DA 343 800-001	1	LED safety brake light, 12V1.8W

Part no.	Pk.	Battery Chargers
		Mini-Charger 6 Automatic charger for 6V and 12V batteries. Housing flame resistant plastic. Overload protection for reliable operation, with LED charge indicator. Pole clips with particularly strong pressure springs for reliable contact with battery poles. With polarity reversal protection. Suitable for gel batteries. CE approved Technical data: - 230V/50Hz; 10W. - Charging current at: 6V -> 0.8 Amperes, 12V -> 0.6 Amperes. - Automatic switch-off - Charging curve WU
	8ES 006 266-011	1 Battery Charger
		Power-Charger Fully automatic charger for 12V batteries. The reliable electronic charging circuitry allows automatic trickle charging and continuous charging as well as charging highly discharged batteries. Charging operation is discontinued automatically when maximum voltage is reached. With quick-charge feature from 7 to 10 Amperes. Charging operation can be monitored on LED display. Suitable for gel batteries. CE approved Technical data: - 230V/50Hz; 130W. - Normal charging: 7 Amperes, - Quick charging: 10 Amperes. - Automatic switch-off - Charging curve WU
	8ES 004 417-041	1 Battery Charger
		Turbo-Charger Charger with booster feature for 12V batteries. The booster feature allows quick charging. Quick charging is possible in 15 minutes at 20 Amperes. Charging operation is easy on batteries by starting with high current and later automatically reducing charging current. The charging operation can be monitored on the LED display. CE approved Technical data: - 230V/50Hz; 350W. - Normal charging: 9 Amperes, - Quick charging: 17 Amperes. - Automatic switch-off - Charging curve WU
	8ES 004 417-031	1 Battery Charger

Charging times at normal charging current of 9A for discharged batteries:

Capacity	Charging time
36AH	4h
44AH	5h
55AH	6h
60AH	7h
80AH	9h
100AH	11h
120AH	13h



	Part no.	Pk.	Battery Charger
			Profi-Charger Fully automatic battery charger with different charge characteristics that are matched to the respective battery type. Professional Charger for 12V lead-acid (Ca/Ca, Ca/Ag), AGM, spiral and gel batteries. Steel housing. Class of protection IP23. CE approved Technical data: - 230V/50 Hz; 300W, Weight: 2500 gr. - Charging current: 25 A - Length of cable: 300 cm - Euro plug - Charging curve: IC2Uo - Service Modus
	8ES 004 417-231	1	Battery charger
			Battery diagnosis unit Battery diagnosis unit for 6/12V lead-acid, AGM, spiral and gel batteries. Also tests totally discharged batteries. In a matter of seconds, exact information on the state of the battery. In a case. Standards: EN, DIN, SAE, IEC, JIS Technical data: - Weight: 2180 gr. - LCD display - Cable length: 110 cm - 11 pre-programmed languages - Integrated voltmeter 0 - 30V - Working range 100-1700 EN/SAE 100-1000 DIN/ICE JIS codes programmed (47)
	8PD 009 734-001	1	Battery diagnosis unit
	8XX 009 778-001	1	Accessories: Data viewer set contains: infrared interface and software

Part no.		Pk.	Test units
  	8PD 006 541-001	1	Battery tester Handy and sturdy instrument for professional measurement of charge and acid desity on lead acid batteries. New design prevents sample fluid from forming bubbles or running out. The precision instrument can be turned 360° allowed measurement regardless of position of instrument. Measuring tolerance less than ±1 %.
	8PD 006 542-001	1	Anti-freeze tester Professional test instrument for determining anti-freeze protection temperature. New design of intake system prevents bubble formation and run-pout. Measurement independent of cooling water temperature and ethylene glycol concentration. Measuring tolerance less than ±1 %.
	8PD 003 798-001	1	Circuit tester For quick fault tracing in vehicle electrical systems. For vehicles with 6V, 12V, or 24V-systems.



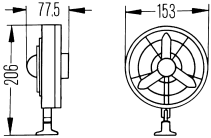
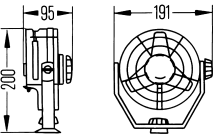
  	Part no.	Pk.	Tyre pressure tester
	8PD 006 535-001	1	Tyre pressure tester metal version, Scale range: 0 - 4 bar.
	8PD 006 536-001	1	Plastic version, Scale range: 0 - 3.9 bar.
	Tyre pressure control systems TC-300 / TC-400 / TC-600		
	For monitoring the air pressure and temperature of up to 14 tyres. Scale range: 0 - 8 bar.		
	Contains: Display unit, holder, 2 valves and sensors for installation in the wheel. A short aerial and installation material. Radio transceiver to increase the signal range.		
	8XX 010 636-001	1	Tyre pressure control system TC-300 for car trailers
	Contains: Display unit, holder, 4 valves and sensors for installation in the wheel. A short aerial and installation material.		
	8XX 010 636-101	1	Tyre pressure control system TC-400 for cars
	Contains: Display unit, holder, 6 valves and sensors for installation in the wheel. A short aerial and installation material.		
	8XX 010 636-201	1	Tyre pressure control system TC-600 for mobile homes and light trucks
	6PK 177 411-001	1	Spare parts: 1 valve and sensor
	6PK 177 409-001	1	Accessories: 2 valves and sensors to expand the tyre pressure control systems TC-300 / TC-400 / TC-600 to up to 14 tyres
	5FA 177 412-001	1	Radio transceiver to increase the signal range



    	Part no.	Pk.	Engine test units For 4-, 6- and 8- cylinder engines. Case made of shock-resistant plastic. Contains: 1 storage for ignition timing light 8PD 004 835-001 1 compression tester 8PD 004 838-001 1 engine tester 8PD 004 839-801 1 Engine test set
	8PD 004 834-001	1	For 4, 6 and 8 cylinder engines. For 12V vehicle electric system with standard and transistor ignition. With stroboscope, dwell angle meter, tachometer and voltmeter. Test capacities: Measurement of the ignition time with simultaneous engine speed measurement: 4 cylinders 0 - 2400 rpm. 6 cylinders 0 - 1800 rpm. 8 cylinders 0 - 1200 rpm. Measurement of the dwell angle: 4 cylinders 30° - 90° 6 cylinders 20° - 60° 8 cylinders 15° - 45° DC voltage: 0 - 16V. Ignition timing adjustment device
	9MK 717 686-001	1	Spare parts: Inductive terminal
	8PD 004 835-001	1	For 12V vehicle electric system. For exact adjustment of ignition timing for all petrol engines. With stroboscope. Intensive Xenon light for clear detection of the marks for ignition timing. Ignition timing adjustment rod
	9MK 717 686-001	1	Spare parts: Inductive terminal
	8GS 716 921-001	1	Xenon bulb
	8PD 006 354-011	1	For 12V vehicle electric system with standard and transistor ignition. With stroboscope, dwell angle meter, tachometer and voltmeter. Large digital display makes it easy to read off the measured values and measuring parameters. Test capacities: Measurement of the ignition timing, taking into account the ignition timing adjustment angle of 0° - 40°, with simultaneous measurement of the engine speed. Speed: 0 - 1000 rpm. Contact angle: 0° - 90°. DC voltage: 9 - 16V. Ignition timing adjustment device
	8PD 004 838-001	1	For the early detection of unequal cylinder compression. Test capacities: Pressure measurement: 0 - 21 bar, 0 - 300 psi. Compression tester

Fans
Air Foot Pumps



Part no.		Pk.	Fans
 			Jet Powerful fan for a pleasant breeze or a powerful flow of air. 130 mm propeller. On/off switch on housing. With 1500 mm cable for permanent attachment/plug connection. Simple to fit. Can be fixed in any position. Minimum service life 1500 hrs. Air flow: 40 litres per sec.
		8EV 006 239-001 1	Fan, 12V
 			Turbo Two stage switch regulates the current of air. Can be swivelled in all directions and fixed in any position. 150 mm propeller is protected by a grille. With 1550 mm connection cable. Minimum service life 5000 hrs. Air flow: Stage 1: 70 litres per sec. Stage 2: 95 litres per sec.
		8EV 003 361-001 1	Fan, 12V
		8EV 003 361-011 1	24V
			Air foot pumps For cars, caravans, motorcycles and bicycles. For recreation and camping equipment.
		8TM 003 791-002 1	Single cylinder air foot pump with 210 cm³ per stroke
		8TM 003 792-001 1	Double cylinder air foot pump with 420 cm³ per stroke
		9GS 857 184-001 1	Spare parts: Tube



List of Part- and Type-Approval Numbers
Manufacturer's No. / Hella No.

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Note:
The original numbers listed in the manufacturer number - Hella number comparison serve exclusively for comparison purposes and are not to be used otherwise.

List of Part Numbers



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8JS 742 902-051	8.68	8KL 712 937-001	8.78	8KL 713 751-001	8.80	8KW 044 030-003	8.03, 8.05
8JS 742 902-061	8.68	8KL 712 938-001	8.78	8KL 713 752-001	8.80	8KW 044 030-004	8.03
8JS 742 902-071	8.68	8KL 712 939-001	8.78	8KL 713 753-001	8.80	8KW 044 031-003	8.03
8JS 742 902-081	8.68	8KL 712 940-001	8.78	8KL 715 434-001	8.80	8KW 044 032-003	8.02, 8.05
8JS 742 902-091	8.68	8KL 712 941-001	8.78	8KL 715 435-001	8.80	8KW 044 032-004	8.02
8JS 742 902-101	8.68	8KL 712 942-001	8.78	8KL 715 436-001	8.80	8KW 044 032-812	8.02
8JS 742 902-111	8.68	8KL 712 943-001	8.78	8KL 715 437-001	8.80	8KW 044 033-002	8.04
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8KA 004 797-041	8.55	8KL 712 950-002	8.78	8KV 002 127-021	8.72	8KW 044 039-004	8.03
8KA 004 797-051	8.55	8KL 712 951-001	8.78	8KV 002 127-801	8.72	8KW 044 039-812	8.03
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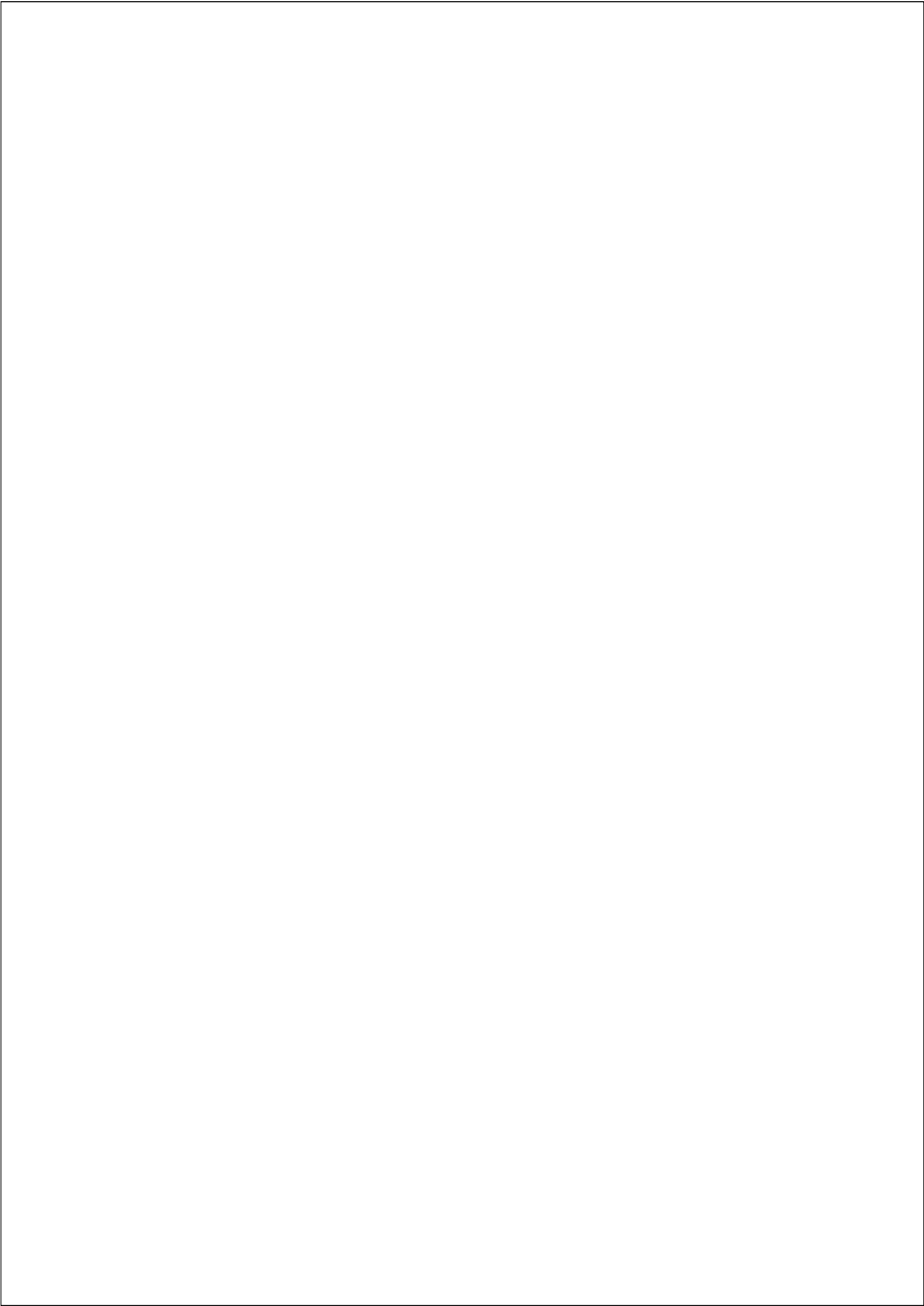
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E1 0945	8SB 501 311-812	e1 14091	8SB 003 978-041	E4 01 2081	9MX 564 240-011
E1 0945	8SB 501 311-842	E1 14091	8SB 003 978-041	E4 01 2081	9MX 564 241-001
E1 0953	8SB 501 263-003	e1 14092	8SB 003 614-001	e4 02*2081	9MX 564 240-001
E1 0953	8SB 501 263-014	E1 14092	8SB 003 614-001	e4 02*2081	9MX 564 240-011
E1 0953	8SB 501 263-052	E1 14093	8SB 003 978-001	e4 02*2081	9MX 564 241-001
E1 0955	8SB 003 290-001	E1 14093	8SB 003 978-001	E4 7715	2DA 343 800-001
E1 0955	8SB 003 290-011	e1 14093	8SB 003 978-041		
E1 0956	8SB 003 978-001	E1 14093	8SB 003 978-041		
E1 0956	8SB 003 978-041	E1 14094	8SB 003 978-001		
E1 0957	8SB 560 991-012	e1 14094	8SB 003 978-001		
E1 0957	8SB 560 991-041	E1 14094	8SB 003 978-041		
E1 10418	8SB 507 043-011	e1 14094	8SB 003 978-041		
e1 10430	8SB 003 614-001	e1 14099	8SB 003 614-011		
e1 11004	8SB 501 147-003	E1 14099	8SB 003 614-011		
E1 11004	8SB 501 147-003	e1 14099	8SB 003 614-081		
e1 11004	8SB 501 147-021	E1 14099	8SB 003 614-081		
E1 11004	8SB 501 147-021	e1 14099	8SB 003 614-091		
e1 11004	8SB 501 147-031	E1 14099	8SB 003 614-091		
E1 11004	8SB 501 147-031	E1 14108	8SB 003 614-001		
e1 11007	8SB 501 147-003	e1 14108	8SB 003 614-001		
E1 11007	8SB 501 147-003	E1 14109	8SB 003 614-001		
E1 11007	8SB 501 147-021	e1 14109	8SB 003 614-001		
e1 11007	8SB 501 147-021	e1 14112	8SB 501 081-082		
e1 11007	8SB 501 147-031	E1 14114	8SB 501 192-002		
E1 11007	8SB 501 147-031	e1 14114	8SB 501 192-002		
E1 12005	8SB 501 137-082	e1 14115	8SB 501 191-202		
e1 12005	8SB 501 137-082	E1 14115	8SB 501 191-202		
E1 12006	8SB 501 137-001	E1 14116	8SB 501 190-082		
e1 12006	8SB 501 137-001	e1 14116	8SB 501 190-082		
e1 12006	8SB 501 137-031	e1 14119	8SB 004 288-001		
E1 12006	8SB 501 137-031	E1 14119	8SB 004 288-001		
e1 12015	8SB 354 509-001	e1 14119	8SB 004 288-092		
E1 12015	8SB 354 509-001	E1 14119	8SB 004 288-092		
E1 130	8WS 008 549-001	e1 14119	8SB 004 288-103		
E1 130	8WS 008 549-501	E1 14119	8SB 004 288-103		
e1 14012	8SB 002 995-001	e1 14123	8SB 501 273-001		
e1 14012	8SB 002 995-011	E1 14123	8SB 501 273-001		
e1 14019	8SB 003 290-001	e1 14123	8SB 501 274-001		
e1 14019	8SB 003 290-011	E1 14123	8SB 501 274-001		
e1 14026	8SB 002 994-001	e1 14125	8SB 354 506-801		
e1 14028	8SB 002 991-001	E1 14125	8SB 354 506-801		
e1 14028	8SB 002 991-081	E1 14125	8SB 354 506-811		
e1 14032	8SB 003 614-001	e1 14125	8SB 354 506-811		
E1 14042	8SB 003 978-001	e1 17098	8SB 003 609-061		
e1 14042	8SB 003 978-001	E1 17098	8SB 003 609-061		
e1 14042	8SB 003 978-041	e1 17324	8SB 507 047-001		
E1 14042	8SB 003 978-041	e1 17324	8SB 507 047-011		
e1 14046	8SB 002 995-031	e1 17324	8SB 507 048-001		
e1 14046	8SB 002 995-041	e1 17335	8SB 004 288-001		
e1 14047	8SB 560 991-012	E1 17335	8SB 004 288-001		
e1 14047	8SB 560 991-041	E1 17335	8SB 004 288-092		
e1 14062	8SB 004 288-001	e1 17335	8SB 004 288-092		
e1 14062	8SB 004 288-092	e1 17335	8SB 004 288-103		
e1 14062	8SB 004 288-103	E1 17335	8SB 004 288-103		
e1 14066	8SB 501 047-011	E1 20031	3PB 003 001-601		
E1 14070	8SB 501 045-002	e1 20031	3PB 003 001-601		
e1 14070	8SB 501 045-002	e1 20031	3PB 003 001-603		
E1 14070	8SB 501 045-012	E1 20031	3PB 003 001-603		
e1 14070	8SB 501 045-012	e1 20031	3PB 003 001-611		
e1 14072	8SB 501 081-031	E1 20031	3PB 003 001-611		
e1 14072	8SB 501 081-041	E1 20031	3PB 003 001-613		
E1 14075	8SB 560 991-012	e1 20031	3PB 003 001-613		
E1 14075	8SB 560 991-041	E1 20031	3PD 003 001-621		
e1 14080	8SB 003 290-001	e1 20031	3PD 003 001-621		
E1 14080	8SB 003 290-001	e1 20031	3PD 003 001-622		
e1 14080	8SB 003 290-011	E1 20031	3PD 003 001-622		
E1 14080	8SB 003 290-011	e1 1 030625	3SL 996 139-202		



Manufacturer's no. / Hella no.

Cross-Reference

Bremi	Hella	Bremi	Hella	Case	Hella	Citroën	Hella
10141A	8KW 705 393-003	10681	8KL 712 957-002	3 057633 R91	6BA 001 539-001	5981.24	4RV 008 188-301
10141B	8KW 705 392-003	10681/1	8KL 712 957-001	3 057633 R91	6BA 001 539-007	5981.26	4RV 008 188-321
10141V	8KW 708 373-003	10682	8KL 712 960-002	3 118917 R93	6HD 001 561-001	6434.46	8TW 006 848-061
10142	8KW 044 022-003	10682/1	8KL 712 960-001	3 133994 7	6JF 001 571-101	6434.58	8TW 006 848-071
10142SB	8KW 044 022-822	10683	8KL 712 962-002	3 134649 7	8JB 004 777-011	6434.60	8TW 006 847-031
10142V	8KW 708 374-003	10683/1	8KL 712 962-001	3 141916 R92	8SB 002 997-103	91.515.869	4RV 008 188-091
10143	8KW 044 024-003	10684	8KL 712 975-002	3 234431 R92	6BA 001 539-047	91.541.882	4RP 008 189-121
10144	8KW 044 023-003	10684/1	8KL 712 975-001	0 325227 8	8JA 005 951-001	92.515.867	4RV 008 188-091
10144/9,5	8KW 700 142-003	10685/1	8KL 712 976-001	0 325227 8	8JA 005 951-003	92.515.869	4RV 008 188-091
10145	8KW 044 280-003	10686/1	8KL 712 977-001	0 325228 6	8JB 005 949-001	95.492.995.80	4RV 008 188-081
10146	8KW 044 033-002	10687	8KL 712 980-002	3 399522 R2	6BA 001 539-057	95.496.621	4RP 008 189-111
10146SB	8KW 044 033-812	10687/1	8KL 712 980-001	3 399576 R91	8SB 002 995-001	95.534.787	4RV 008 188-081
10147	8KW 045 145-003	10689/1	8KL 712 958-001	3 399576 R91	8SB 002 995-011	96.117.510	4RV 008 188-271
10148	8KW 044 040-003	10690/1	8KL 712 959-001	3 477704 0	8KW 045 145-003	96.141.677	4RV 008 188-281
10149	8KW 044 025-003	10694/1	8KL 712 964-001	3 477704 0	8KW 045 145-004	96.165.823	4RV 008 188-321
10150	8KW 044 026-003	10695/1	8KL 712 967-001	3 477704 2	9EY 122 979-001	96.165.824	4RV 008 188-301
10151	8KW 044 034-003	10696	8KL 712 993-001	0 412204 6	8JB 004 123-001	96.252.036	4RV 008 188-281
10152SB	8KV 705 123-813	10697	8KL 712 995-001	0 412204 6	8JB 004 123-002	KN.224.03	4DM 003 460-021
10157	8KW 044 038-003	10810	8JB 004 123-001	0 442770 03	8KW 044 036-003	KN.350.51	8KV 705 123-002
10158	8KW 044 275-003	10813	8JA 002 252-103	0 442770 03	8KW 044 036-004	KN.350.51	8KV 705 123-004
10159	8KW 044 041-003	10813	8JA 004 667-001	4 713 318 30	8HG 501 253-012		
10160	8KW 044 276-003	10813SB	8JA 002 252-102	4 713 318 40	8HG 501 253-022		
10161	8KW 044 028-003	11150	8JA 002 262-001	4 713 366 40	8SB 501 263-003	001 021 90	6ZF 003 549-021
10162	8KW 044 027-003	11150SB	8JA 002 262-002	0 605092 04	6JF 001 571-041	001 083 10	8KX 707 913-011
10162C	8KW 044 282-003	11151M	8JB 001 946-031	0 605092 04	6JF 001 571-042	010 878 0	8SB 002 991-081
10163	8KW 044 029-003	11151MD	8JB 001 946-021	0 605244 61	6ZF 003 549-001	1104	6JF 001 571-041
10164	8KW 044 030-003	11151MDST	8JB 001 946-011	0 700224 1	8KW 044 031-003	1104	6JF 001 571-042
10165	8KW 044 291-003	11151/16	8JS 089 015-003	0 703900 0	8KW 044 036-003	001 281.50	8EZ 008 022-001
10166	8KW 044 039-003	11151/16SB	8JS 089 015-801	0 703900 0	8KW 044 036-004	001 281.50	8EZ 008 022-002
10167	8KW 044 031-003	11151/25	8JS 091 603-003	0 706667 4	8KW 043 636-003	001 372 70	9GH 993 984-001
10169	8KW 044 277-003	11151/40	8JS 713 144-003	7 067756	8KW 044 022-003	001 372 70	9GH 993 984-007
10170	8KW 044 035-003	11151/5	8JS 704 073-003	7 067756	8KW 044 022-004	141-2558	9EY 117 126-014
10170SB	8KW 044 035-003	11151/8	8JS 025 889-003	0 706791 5	8KW 705 392-003	1580	8JA 001 926-001
10171	8KW 702 796-003	11151/8SB	8JS 025 889-801	7 067931	8KW 044 039-003	001 634 60	4DN 009 492-101
10171A	8KW 702 796-003	11530/1	8JS 713 549-003	7 067931	8KW 044 039-004	178 740 0	9EY 111 230-001
10173	8KW 044 037-003	11530/5	8JS 713 550-003	0 707147 0	8KW 044 288-003	021 181 50	8JA 003 526-001
10181	8KW 044 288-003	11538/10	8JS 713 805-003	0 707147 0	8KW 044 288-004	021 181 50	8JA 003 526-002
10182	8KW 044 032-003	11538/15	8JS 713 806-003	0 707148 7	8KW 044 022-003	021 197 70	8JA 711 375-001
10330/17	8KX 707 918-001	11538/20	8JS 713 807-003	0 707148 7	8KW 044 022-004	021 256 50	8JA 001 926-001
10357F/10	8KV 002 140-001	11538/25	8JS 713 808-003	0 707202 0	8KW 708 373-003	02144830	9HB 713 629-001
10357F/2,5	8KV 002 137-001	11538/30	8JS 713 567-003	0 707202 0	8KW 708 373-004	021 448 50	9XT 714 300-731
10357F/6	8KV 002 139-001	11538/5	8JS 713 564-002	0 707206 1	8KW 044 277-003	021 567 60	8KV 002 133-001
10358F/16	8KV 002 141-001	11565/10	8JS 713 805-003	0 707238 3	8KW 708 374-003	021 568 60	8KV 002 137-001
10400	8KV 002 133-001	11565/15	8JS 713 806-003	0 707238 3	8KW 708 374-004	023 825 70	8KV 002 137-001
10401	8KW 043 629-013	11565/20	8JS 713 807-003	0 707491 4	8JA 003 526-001	032 472 70	6EK 002 843-001
10402	8KW 043 630-013	11565/25	8JS 713 808-003	0 707491 4	8JA 003 526-002	032 472 70	6EK 002 843-003
10402A	8KW 701 235-033	11565/30	8JS 713 567-003	0 707703 3	4RD 007 814-011	034 999 20	6EK 002 843-007
10404	8KW 043 636-003	11575	8JS 711 683-903	0 707703 3	4RD 007 814-017	034 999 20	6EK 002 843-001
10420	8KX 707 925-003	11575/10	8JS 711 686-002	0 707710 5	6ZF 003 549-021	034 999 20	6EK 002 843-003
10430	8KX 707 924-003	11575/10SB	8JS 711 686-821	0 707795 8	8KW 044 026-003	034 999 20	6EK 002 843-007
10441	8KW 043 635-013	11575/15	8JS 711 687-002	0 708104 6	8ES 008 124-001	037 272 80	8SB 002 994-001
10442	8KW 043 635-013	11575/15SB	8JS 711 687-821	0 709088 3	8JB 004 777-001	4-41008190120	6ZF 003 549-001
10442A	8KW 048 056-033	11575/20	8JS 711 688-002	0 709088 3	8JB 004 777-002	4-48000001300	6EH 004 406-001
10444	8KW 701 671-003	11575/25	8JS 711 689-002	7 091802	9MJ 735 430-001	4-48000001300	6EH 004 406-002
10451	8JA 001 916-001	11575/3	8JS 711 683-002	8 601 051 8	8SB 501 263-003	054 615 70	9GD 853 918-006
10452	8JB 001 941-002	11575/30	8JS 711 690-002	9 803272 9	6BA 001 539-001	551	8JA 003 526-001
10452K	8JB 001 943-003	11575/5	8JS 711 684-002	9 803272 9	6BA 001 539-007	551	8JA 003 526-002
10453	8JA 001 918-002	11575/7,5	8JS 711 685-002	9 803273 3	8EZ 008 022-001	056 436 30	6FH 007 832-081
10453K	8JA 001 930-003	11575/7,5SB	8JS 711 685-821	9 803273 3	8EZ 008 022-002	056 436 30	6FH 007 832-087
10453SB	8JA 001 918-002	12002	9MJ 707 870-013	9 9239	8JD 002 290-001	056 436 40	6GM 007 832-251
10455K	8JA 002 263-001	12003	9MJ 707 873-013	D F01975 2	8JB 001 943-041	056 436 50	6GM 007 832-241
10463	8JB 003 833-011	12004	9MJ 707 874-013	D F06530 6	8JB 005 949-001	056 436 60	6FH 007 832-101
10470	8KW 700 144-003	12005	9MJ 707 871-013			056 436 60	6FH 007 832-107
10471	8JB 005 949-001	12007	9MJ 707 875-013	Caterpillar	Hella	056 436 70	6RH 007 832-421
10472	8JA 005 951-001	12120	8KX 707 913-011	141-2558	9EY 117 126-014	056 436 80	6EH 007 832-041
10473	8JA 005 952-001	12121	8KX 707 913-001	170-7721	8SB 501 263-003	056 436 90	6HH 007 832-321
10500	8KV 002 127-003	12122	8KX 707 912-001	200-1636	8SB 501 156-021	056 437 00	6GM 007 832-271
10500	8KV 002 127-021	12123	8KX 707 912-011	200-1637	8SB 501 147-003	056 437 20	6FH 007 832-621
10500FL	8KV 714 340-002	18376	8KV 002 142-031	200-6797	8SB 501 045-002	057 098 30	3AF 003 399-051
10501	8JD 002 288-001	18378DST	8KV 002 145-031	201-3977	9BP 561 006-012	057 098 40	6EK 001 559-001
10502	8JD 002 289-001	18378ST	8KV 002 142-031	212-6831	8HS 562 691-002	057 098 40	6EK 001 559-007
10504	8JD 002 294-001	18378ST	8KV 002 144-031	5W-4663	8SB 002 991-081	057 098 50	9SL 042 991-001
10506	8JD 002 291-001	18386	8KV 004 258-031			058 354 10	4DN 008 768-021
10507	8JD 002 290-001	18388DST	8KV 004 259-031	Champion	Hella	058 354 10	4DN 008 768-027
10555/16	8JD 005 993-032	Case	Hella	C 29 01 085	9XW 857 505-801	595 454 0	8BW 003 443-057
10565/10	8JD 005 993-001	1-161-007-707-01	9EY 117 126-014	C 38 01 085	9XW 857 509-801	5W4 663	8SB 002 991-081
10585 10	8JD 005 993-021	1 31928 A1	8SB 501 263-003	C 41 01 085	9XW 857 510-801	060 402 90	4DM 003 360-021
10670	8KL 712 997-001	1 344063 C1	8SB 004 288-092	C 45 01 085	9XW 857 512-801	060 402 90	4DM 003 360-027
10672	8KL 712 943-002	1-34-577-027	8HG 501 257-002	C 48 01 085	9XW 857 513-801	060 402 91	4DM 003 360-021
10672/1	8KL 712 943-001	1-34-677-017	8SB 003 614-001	C 51 01 085	9XW 857 514-801	060 402 91	4DM 003 360-027
10673	8KL 712 948-002	1-34-677-082	8HG 501 257-032	C 55 01 085	9XW 857 516-801	060 413 80	6HF 001 579-061
10673/1	8KL 712 948-001	1-34-677-083	8HG 501 257-042	CS 53 01 085	9XW 857 515-801	605 006 008	8JA 003 831-001
10674	8KL 712 949-002	1-34-677-1101	8SB 501 263-003	X 4803	9XW 857 513-801	062 427 30	6JF 001 572-001
10674/1	8KL 712 949-001	1-34-777-002	9EY 561 042-002	X 5503	9XW 857 516-801	062 476 30	6ED 001 563-021
10675	8KL 712 947-002	1-34-777-042	9EY 122 979-001	Chevrolet	Hella	065 820 71	8JD 002 294-081
10675/1	8KL 712 947-001	1-34-777-057	9MX 563 716-022	02875238	8KW 044 035-003	065 836 20	8KV 002 135-811
10676	8KL 712 945-002	1-40-558-0521	6GM 500 212-012	Chrysler	Hella	067 443 90	6DD 001 551-011
10676/1	8KL 712 945-001	1-40-577-061	8JA 500 431-002	46 860 62	4RV 008 188-131	067 443 90	6DD 001 551-017
10677	8KL 712 950-002	1 590005 80039	5WA 001 871-041	Citroën	Hella	682 146 0	8SB 002 991-001
10677/1	8KL 712 950-001	1 85773 A1	8SB 501 263-003	5981.15	4RV 008 188-091	068 214 61	8SB 002 991-001
10678	8KL 712 946-002	1 85773 A1	8SB 501 263-014	5981.15	4RV 008 188-391	068 214 61	8SB 501 263-014
10678/1	8KL 712 946-001	1 93 770100	8SB 003 609-061	5981.16	4RV 008 188-271	691 542 0	8KW 044 022-003
10679	8KL 712 952-002	1 95773 A1	8SB 501 263-014	5981.19	4RV 008 188-281	006 949 20	8KW 044 022-004
10679/1	8KL 712 952-001	1 971265 C1	9GD 853				

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Cross-Reference



Claas	Hella	DAF	Hella	DAF	Hella	Deere, John	Hella
074 889 80	8BW 003 966-047	142 5113	9HB 863 833-001	892 893	8SB 501 147-021	50 65 69	8JA 001 921-102
075 562 90	8HS 071 414-001	142 5114	9HB 863 834-001	089 2894	8SB 501 147-031	50 66 51	8JS 711 684-002
817 305 2	8KV 004 418-004	143 5318	8JB 001 933-031	892 895	8SB 003 978-001	50 66 52	8JS 711 685-002
082 206 90	6JF 001 571-041	143 5319	8JA 002 263-001	892 896	8SB 003 978-041	50 66 69	8JS 711 683-002
082 206 90	6JF 001 571-042	151 9526	4DW 003 944-051	892 897	8SB 501 081-031	50 70 13	8KV 002 127-021
092 960 10	6ED 001 564-001	152 3981	4RA 007 957-001	892 898	8SB 501 081-041	50 70 27	6ED 001 563-021
Cobo	Hella	152 3981	4RA 007 957-007	938 4984	8TW 004 764-041	50 70 28	6ED 001 563-001
13.350.000	6EH 004 570-001	152 3983	4RD 007 903-001	939 2103	8JB 001 946-041	50 70 28	6ED 001 563-003
13.350.000	6EH 007 832-001	152 3983	4RD 007 903-007	Deere, John	Hella	50 70 28	6ED 001 563-004
13.350.001	9XT 713 630-001	152 3984	8JB 001 944-011	10 14 29	8KV 002 127-003	50 70 54	8JD 002 291-001
13.350.002	9XT 713 630-021	152 3985	8JB 008 085-021	10 14 29	8KV 002 127-007	50 70 56	8JD 002 294-011
13.350.004	9XT 713 630-031	152 6247	8JD 008 151-051	10 14 66	8JD 002 289-001	50 70 57	8JD 002 289-001
13.350.007	9XT 713 630-391	152 6515	3PB 003 001-611	10 14 68	8JD 002 294-001	50 70 58	8JD 002 288-001
13.350.023	9XT 713 630-551	152 6515	3PB 003 001-613	10 14 68	8JD 002 294-002	50 72 12	8KW 044 032-003
13.350.024	9XT 713 630-561	1610182	9MX 564 250-001	10 14 68	8KV 705 123-002	50 72 12	8KW 044 032-004
13.350.026	9XT 713 630-491	161 0184	8SB 354 507-001	10 14 79	8KV 705 123-004	50 72 21	8KW 044 033-002
13.350.027	9XT 713 630-271	161 0187	8SB 354 508-001	10 14 79	8KX 707 913-001	50 72 21	8KW 044 033-004
13.350.030	9XT 713 630-281	167 0435	5DS 008 125-011	10 15 00	8HS 071 415-001	50 72 24	8KV 002 132-001
13.350.031	9XT 713 630-351	167 0480	5DS 008 125-011	10 15 04	3BA 002 768-382	50 73 91	8KV 705 123-002
13.350.032	9XT 713 630-361	168 4027	8JD 008 151-011	01 05 13	8KV 002 132-001	50 73 91	8KV 705 123-004
13.350.037	9XT 713 630-601	021 7642	6ZF 003 549-001	10 53 36	8KV 002 127-003	50 74 00	8KW 044 291-003
13.350.041	9XT 713 630-481	028 8326	4AZ 003 787-021	10 53 68	8KV 002 127-007	50 77 55	8KW 043 630-013
13.350.043	9XT 713 630-211	030 4409	8JB 001 941-001	10 53 68	8KV 002 127-007	50 77 55	8KW 043 630-014
13.350.055	9XT 713 630-311	030 4409	8JB 001 941-002	10 54 10	8KV 002 137-001	50 77 82	6FG 002 312-001
13.350.056	9XT 713 630-371	030 4410	8JA 001 918-002	10 54 32	8JD 002 291-001	50 77 82	6FG 002 312-002
13.350.057	9XT 713 630-281	030 5087	8JB 001 934-001	10 54 33	8JD 002 290-031	50 78 97	8KW 044 040-003
13.350.058	9XT 713 630-121	036 3242	8JA 002 263-001	10 54 50	8KV 705 123-002	50 78 97	8KW 044 040-004
13.350.059	9XT 713 630-181	036 5630	9GD 853 490-001	10 54 50	8KV 705 123-004	50 78 98	8KW 045 145-003
13.350.060	9XT 714 300-131	036 5630	9GD 853 490-007	10 54 55	8KV 002 133-001	50 78 98	8KW 045 145-004
13.350.062	9XT 713 630-141	038 4127	4DM 003 944-041	10 59 04	6EJ 001 569-001	53 51 46	8JD 002 291-001
13.350.065	9XT 713 630-101	038 4984	8TW 004 764-041	10 59 09	6JF 001 572-001	53 51 47	8KV 002 127-003
14.156.000	6JB 003 959-001	039 2103	8JB 001 946-041	10 59 35	6ZF 003 549-001	53 51 47	8KV 002 127-007
16.351.000	6RH 004 570-411	050 6429	8JB 001 946-001	10 61 18	8JA 002 262-001	53 53 07	8KV 707 913-011
16.351.000	6RH 004 570-417	054 5963	3BA 002 768-082	10 61 18	8JA 002 262-002	53 53 10	8KX 707 913-001
16.351.000	6RH 007 832-461	056 9728	8HS 071 415-001	10 65 74	8JA 002 262-003	55 02 4	3AG 003 399-081
16.351.000	6RH 007 832-467	619 102	6ED 004 778-021	10 68 17	8JA 002 263-001	55 02 8	3AG 003 399-101
16.352.000	6HH 004 570-481	062 1969	8JA 001 915-001	10 68 17	8JA 003 832-001	55 03 1	6ZE 001 759-061
16.352.000	6HH 007 832-301	062 2236	8JA 703 947-011	01 10 74	8JB 002 286-031	56 59 3	3BA 002 768-001
16.355.000	6RH 004 570-171	063 3405	8JB 001 946-031	11 23 84	8JA 001 925-001	57 01 8	6EJ 001 569-001
16.355.000	6RH 004 570-177	642 137	8HS 071 414-001	11 81 11	8JB 003 833-011	57 04 6	6EK 002 843-001
16.355.000	6RH 007 832-351	650 361	8SB 003 978-041	12 01 8022	8KW 044 022-003	57 04 6	6EK 002 843-003
16.357.000	6RH 004 570-331	066 0838	8JA 003 832-001	12 01 9022	8KW 044 023-003	57 04 6	6EK 002 843-007
17.351.000	6GM 004 570-221	0067 657	9EY 125 314-001	12 01 9022	8KW 044 023-004	57 05 0	6ZE 001 759-071
17.351.000	6GM 007 832-251	006 7658	9MX 127 585-002	12 02 5022	8KW 044 034-003	57 05 2	6ED 004 778-011
17.354.000	6GM 004 570-051	006 7659	9MX 561 449-001	12 02 5022	8KW 044 034-004	57 05 4	6FG 002 312-001
17.354.000	6GM 007 832-181	006 7660	9MX 561 890-001	12 02 6022	8KW 044 036-003	57 05 4	6FG 002 312-002
AV.180.005	4RA 007 793-041	070 3748	8JA 003 831-001	12 02 6022	8KW 044 036-004	57 21 233	8KX 043 021-031
AV.180.006	4RA 007 793-031	070 4570	5DS 008 125-001	12 02 8022	8KW 044 280-003	57 21 233	8KX 043 021-032
AV.180.007	4RA 007 957-011	007 2255	6LB 005 389-001	12 02 8022	8KW 044 280-004	57 21 234	8KX 091 450-031
AV.180.008	4RA 007 957-001	082 1107	8JA 001 931-001	12 02 8022	8KW 044 288-003	57 21 234	8KX 091 450-032
AV.180.011	4RD 007 794-031	084 1982	3BA 002 768-382	12 02 9022	8KW 044 288-004	57 86 441	3BA 002 768-382
AV.180.013	4RD 007 903-011	084 6705	8JB 001 935-001	12 02 9022	8KW 048 056-033	57 M7 073	8KW 044 035-003
AV.180.022	4RD 007 903-001	086 7436	3PB 003 001-611	12 03 1022	8KW 708 373-003	57 M7 082	8KW 700 144-003
Coroplast	Hella	086 7436	3PB 003 001-613	12 04 3022	8KW 708 373-004	57 M7 095	8KV 705 123-002
302	9MJ 707 869-013	086 7453	2AA 713 628-011	12 06 6022	8KW 043 629-013	57 M7 095	8KV 705 123-004
302	9MJ 707 870-013	086 7510	4AZ 001 879-051	01 27 25	8KX 091 450-031	57 M7 182	8JA 003 526-001
302	9MJ 707 871-013	086 7512	4RA 003 437-091	01 27 25	8KX 091 450-032	57 M7 182	8JA 003 526-002
302	9MJ 707 873-013	086 7512	4RA 003 437-097	01 27 29	8KX 043 021-031	59 22 050	8JA 001 926-001
302	9MJ 707 875-013	086 7519	6ED 001 564-001	01 27 29	8KX 043 021-032	05 92 2072	8JA 703 947-011
DAF	Hella	086 7520	6ED 004 778-001	14 07 7019	8KV 002 140-001	59 23 0	8KV 004 418-004
010 7468	6HF 001 579-071	086 7521	6EH 007 832-011	01 43 75	8JA 003 526-001	59 23 1	8KW 044 035-003
010 7469	8JA 001 926-001	086 7521	6EH 007 832-012	01 43 75	8JA 003 526-002	00 59 83	8JD 002 291-011
119 0795	4DJ 003 767-001	086 7522	6JK 007 232-001	01 48 79	6EJ 001 569-001	59 83 1	8JS 711 686-002
1190795 VSE	4DJ 003 767-001	086 7523	6RH 004 570-411	15 80 0022	8KW 044 027-003	59 83 1	8JS 711 686-007
122 6138	8JA 003 526-001	086 7523	6RH 004 570-417	15 80 0022	8KW 044 027-004	59 83 5	8JS 711 685-002
122 6138	8JA 003 526-002	086 7524	6RH 007 832-411	15 80 2022	8KW 044 029-003	59 83 6	8JS 711 683-002
127 9549	8JA 002 252-101	086 7529	8JA 001 918-002	15 80 2022	8KW 044 029-004	62 50 37	8JA 001 926-001
127 9549	8JA 002 252-102	086 7530	8JA 001 931-001	16 08 2019	6ZE 001 759-061	00 62 5155	8JA 703 947-011
127 9549	8JA 002 252-103	086 7531	8JA 002 252-101	17 57 3019	8JB 002 281-001	80 41 61	8PE 002 006-001
129 9600	4DM 003 474-001	086 7531	8JA 002 252-102	17 57 3019	8JB 002 281-002	84 50 611	8KW 708 373-003
129 9600	4DM 003 474-007	086 7532	8JA 002 252-103	01 80 62	8KW 043 636-003	84 50 611	8KW 708 373-004
130 1750	8JB 003 833-001	086 7532	8JA 002 262-001	01 80 63	8KW 700 144-003	84 50 619	8KW 044 036-003
130 1754	8JB 003 834-001	086 7532	8JA 002 262-002	19 80 8019	6ZE 001 759-051	84 50 619	8KW 044 036-004
130 1758	8JB 001 943-001	086 7535	8JA 717 291-007	19 82 6067	3AG 003 399-081	84 89 825	8JA 002 262-001
130 1758	8JB 001 943-002	086 7536	8JB 001 935-001	20 56 2028	8PE 002 006-001	84 89 825	8JA 002 262-002
130 1758	8JB 001 943-003	086 7537	8JB 001 941-001	21 01 9	8JB 003 833-001	84 89 825	8JA 002 262-003
130 1759	8JB 006 462-001	086 7537	8JB 001 941-002	21 50 0	8KX 091 450-031	84 93 079	8JB 001 934-001
130 1760	8JA 001 930-001	086 7538	8JB 003 833-011	21 50 0	8KX 091 450-032	85 40 425	8KW 702 796-003
130 1760	8JA 001 930-002	086 7540	8KV 002 135-811	21 50 1	8KX 043 021-031	87 20 558	8KX 707 913-011
130 1760	8JA 001 930-003	086 7541	8KV 002 136-011	21 50 1	8KX 043 021-032	87 20 559	8KX 707 913-001
133 6008	8EV 003 361-011	086 7542	8KV 003 124-811	21 89 4	6JF 001 571-001	AL 13 377	8JA 002 262-001
134 4988	3SB 003 985-061	086 7544	8KW 043 636-003	21 89 4	6JF 001 571-002	AL 13 377	8JA 002 262-002
134 4988	3SB 003 985-067	086 7545	8KW 044 035-003	22 18 0019	6JF 001 571-001	AL 13 377	8JA 002 262-003
135 0338	3PB 005 411-001	086 7546	8KW 048 056-033	22 18 0019	6JF 001 571-002	AL 15 0015	4RD 007 794-031
135 0339	9XL 715 989-001	086 7547	8KW 700 144-003	24 12 6019	6ZF 003 549-021	AL 17 684	6JF 001 571-041
135 9968	6EK 002 843-001	086 7555	8SB 002 995-041	24 12 7019	6ZF 003 549-001	AL 17 684	6JF 001 571-042
135 9968	6EK 002 843-003	086 7583	9FF 713 627-001	24 22 6019	8JB 004 777-001	AL 20 978-	6BB 001 540-001
135 9968	6EK 002 843-007	086 7586	9XT 713 630-311	24 22 6019	8JB 004 777-002	AL 35 179	6BG 008 844-007
135 9969	9SL 706 729-011	086 7587	8HL 707 878-002	24 72 1019	8JB 003 834-001	AL 35 260	5HE 003 724-027
136 0008	8EV 003 361-011	087 9737	8XY 004 734-001	24 86 2019	8JA 003 832-001	AL 36 529	6EB 008 845-007
139 5936	6ZF 007 239-001	088 7402	8KW 708 373-004	50 65 02	8JB 002 286-021	AL 37 589	8HG 851 540-007
142 5105	8SB 354 507-001	088 7402	8KW 708 373-003	50 65 03	8JB 004 123-001	AL 37 590	8BW 003 443-008



Manufacturer's no. / Hella no.
Cross-Reference

Deere, John	Hella	ERF Trucks	Hella	Evobus	Hella	Facet	Hella
AL 68 661	6EK 001 559-001	88.26402.0001	9GD 853 490-007	000 811 06 60	9BG 562 812-002	10425	8JA 005 951-001
AL 68 661	6EK 001 559-007	Evobus	Hella	000 811 06 61	9HD 564 316-002	10461	8JA 005 952-011
AL 68 661	6EK 001 559-011	011 545 26 26	8JB 001 941-001	000 811 07 60	9BG 562 814-002	10501	8JA 001 918-002
AL 76 702	4RD 007 814-011	011 545 26 26	8JB 001 941-002	000 811 08 60	9HB 562 837-022	10502	8JA 001 930-003
AL 76 702	4RD 007 814-017	001 545 04 26	8JB 001 933-031	000 811 09 60	9BG 564 360-002	10503	8JB 001 941-002
AL 77 324	4RD 007 794-077	001 810 21 16	8SB 501 401-802	000 811 10 20	8SB 003 212-001	10504	8JB 001 943-003
AL 79 013	8TW 004 223-031	001 810 23 16	8SB 501 402-802	000 811 10 61	9HD 562 802-012	10514	8JB 003 833-011
AX E1 3703	8KX 747 875-001	001 810 24 16	8SB 501 403-802	000 811 15 60	9BG 562 813-002	10515	8JA 001 916-001
AZ 100 125	8JS 711 683-861	001 810 27 16	8SB 501 401-822	000 811 20 33	9EY 561 042-002	10516	8JB 001 940-001
AZ 13 378	8JB 001 941-001	001 810 29 16	8SB 501 402-822	000 811 24 33	9EY 120 010-001	10517	8JA 003 831-001
AZ 13 378	8JB 001 941-002	001 810 30 16	8SB 501 403-822	000 811 80 33	9EY 561 814-001	10519	8JB 001 939-001
AZ 15 002	8JA 001 918-002	001 810 33 16	8SB 501 325-002	000 821 09 66	8JD 005 993-032	10519	8JB 003 833-001
AZ 15 003	8KV 002 137-001	001.810.39.16	8SB 501 325-012	000 824 06 18	5WG 002 450-291	10521	8JB 005 949-001
AZ 16 014	6DD 001 551-011	001 810 58 16	8SB 501 359-022	000 824 06 18	5WG 002 450-297	10522	8JA 005 951-001
AZ 16 014	6DD 001 551-017	001 810 59 16	8SB 501 137-031	000 827 00 10	5DS 009 602-001	10523	8JA 005 952-001
AZ 16 167	6ED 001 563-021	001 810 83 14	8HG 002 211-001	000 827 16 09	8BW 007 757-007	10545	8KL 712 958-002
AZ 21 185	6HD 002 535-031	001 810 84 14	9XD 563 637-012	000 835 47 07	8EV 003 361-011	10546	8KL 712 956-002
AZ 23 981	8SB 002 990-001	001 811 23 14	9BP 564 386-002	000 860 10 60	8BW 003 966-037	10547	8KL 712 954-002
AZ 34 621	8JB 001 946-001	001 811 30 14	9XD 562 800-052	000 860 47 26	8TW 007 540-037	10548	8KL 712 959-002
AZ37476	2AA 713 628-001	001 811 31 33	9MX 127 585-002	000 860 54 26	8TW 004 764-041	10577	8JB 003 833-001
AZ 39 127	6EK 002 843-013	001 811 42 33	9MX 563 716-022	8.688.074.000 0	8SB 501 081-082	131016	8HK 710 702-101
AZ 39 127	6EK 002 843-017	001 811 43 33	9MX 563 716-032	000 869 02 98	9GD 853 918-006	131018	8HK 710 702-111
AZ 41 346	5HE 006 207-027	001 811 45 33	9MX 564 305-002	009 820 30 10	6EJ 001 569-001	131021	8HK 710 702-131
AZ 42 878	8BW 003 966-047	001 811 46 33	9MX 564 356-002	Facet	Hella	131025	8HK 710 702-151
AZ 50 506	6AJ 001 751-021	001 811 47 33	9MX 564 357-002	10101	8KW 044 036-003	131027	8HK 710 702-161
AZ 54 775	8JB 001 933-011	001 811 63 33	9MX 563 468-002	10102	8KW 044 022-003	7.02141	8HK 710 702-141
AZ 61 048	8JA 002 252-101	001 811 66 33	9MX 562 841-002	10103	8KW 044 023-003	09112	8JS 713 549-003
AZ 61 048	8JA 002 252-102	001 811 70 33	9EY 125 314-001	10104	8KW 044 040-003	09116	8JS 713 550-003
AZ 61 048	8JA 002 252-103	002 545 60 80	9GD 735 641-001	10105	8KW 044 025-003	09120	8JD 002 289-001
AZ Y7 5367	8BW 003 966-037	002 821 07 51	6JF 001 572-001	10107	8KW 045 145-003	09121	8JD 002 294-001
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DA 19 633	8JD 002 289-001	003 542 47 20	3AF 003 399-061	10110	8KW 044 280-003	09129	8JS 713 805-003
FO 05 313	3SB 003 985-061	357 810 01 19	8SB 501 192-002	10111	8KW 044 032-003	09130	8JS 713 806-003
FO 05 313	3SB 003 985-067	357 810 70 93	8SB 501 190-082	10112	8KW 044 033-002	09131	8JS 713 564-002
FO 14 869	8EZ 008 022-011	357 811 12 11	9BP 501 238-022	10113	8KW 044 034-003	09132	8JS 711 683-002
FO 42 770	8TW 005 496-051	370 545 00 25	8JB 001 939-001	10115	8KW 044 034-003	09133	8JS 711 684-002
F1 24 371	8JB 008 023-001	370 545 00 25	8JB 001 939-002	10116	8KW 044 288-003	09134	8JS 711 685-002
H2 37 861	8JB 862 757-017	370 545 00 28	8JA 007 241-031	10120	8KV 002 137-001	09135	8JS 711 686-002
L1 01 231	9GH 045 833-001	370 545 01 43	8JB 002 281-001	10121	8KV 002 139-001	09136	8JS 711 687-002
L3 81 15	9GD 853 918-006	370 545 01 43	8JB 002 281-002	10122	8KV 002 140-001	09137	8JS 711 688-002
L 38 387	9KB 710 131-001	370 821 00 65	8JA 002 263-031	10123	8KV 002 141-001	09138	8JS 713 806-002
L6 42 29	9SL 042 991-001	372 860 05 60	8BW 003 443-011	10124	8KW 705 393-003	09139	8JS 711 690-002
RE 11 344	8JA 002 262-001	004 542 50 20	3SB 002 768-031	10125	8KW 700 142-003	09140	8JS 713 807-003
RE 11 344	8JA 002 262-002	004 545 65 05	5HE 996 152-151	10130	8KW 044 282-003	09141	8JS 713 808-003
RE 11 344	8JA 002 262-003	004 545 77 26	8JB 005 949-001	10134	8KW 044 275-003	09152	8JS 713 567-003
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Z3 93 69	9EY 117 124-001	000 542 71 23	3SB 004 438-155	10136	8KW 044 291-003	09186	8JS 728 596-801
Z5 43 80	9XD 856 165-005	000 545 36 37	9SK 702 331-071	10137	8KW 044 028-003	09187	8JS 728 596-811
ZZ 11 000	8JA 002 252-101	000 545 49 08	6EK 002 843-001	10138	8KW 044 027-003	09189	8JS 728 596-821
ZZ 11 000	8JA 002 252-102	000 545 49 08	6EK 002 843-003	10139	8KW 044 039-003	09190	8JS 728 596-831
ZZ 11 000	8JA 002 252-103	000 545 49 08	6EK 002 843-007	10140	8KW 044 277-003	09191	8JS 728 596-841
Delphi-Diesel	Hella	6 270 210 006 2 74	8JA 002 263-001	10141	8KW 044 029-003	09193	8JS 728 596-851
AK 9791/00657063	8KV 002 127-021	628 860 00 60	8BW 007 757-067	10142	8KW 044 030-003	09194	8JS 728 596-901
Dresselhaus	Hella	629 860 03 60	8BW 003 443-011	10143	8KW 044 031-003	09202	8JS 728 595-901
11557	8KV 715 923-003	006 545 06 26	8JB 003 833-001	10144	8KW 700 143-003	FAE	Hella
11562	8KV 712 169-003	006 545 33 07	6FG 002 312-001	10145	8KW 705 392-003	6722	62F 004 365-011
11901	8KW 044 275-003	006 545 33 07	6FG 002 312-002	10154	8PD 003 798-001	Farma	Hella
119011	8KW 044 276-003	670 810 60 93	8SB 501 358-002	10160	8KV 715 923-003	017 765	8XY 007 102-001
119021	8KW 044 291-003	670 810 61 93	8SB 501 358-012	10162	8KV 712 169-003	017 915	8XY 007 101-001
119051	8KW 044 036-003	670 810 62 93	8SB 501 358-032	10171	8KW 043 630-013	019 638	8XY 007 103-001
119051	8KW 708 373-003	670 810 65 93	8SB 501 359-002	10175	8KW 701 235-033	019 640	8XY 007 103-001
119052	8KW 044 022-003	670 810 67 93	8SB 501 359-022	10178	8KW 048 056-033	065 007	8XY 007 103-001
1190522	8KW 708 374-003	671 810 14 16	8SB 501 346-022	10180	8KW 043 636-003	065 013	8XY 007 103-001
119054	8KW 044 023-003	006 820 02 42	9MN 562 843-002	10181	8KW 700 144-003	067 775	8XY 007 102-001
119072	8KW 044 041-003	006 820 23 42	9MN 562 844-032	10188	8KW 044 038-003	067 777	8XY 007 102-001
119082	8KW 044 028-003	006 820 81 10	6GM 500 212-012	10189	8JA 002 252-103	067 915	8XY 007 101-001
119092	8KW 044 027-003	7 311 077 000 0	6HF 002 372-041	10190	8JB 004 123-001	067 917	8XY 007 101-001
119102	8KW 044 039-003	7 311 077 001 0	9SK 702 331-071	10194	8JA 002 262-001	Faun	Hella
119112	8KW 044 277-003	7 311 077 002 0	8JA 703 947-011	10301	8KL 054 001-002	1708-010	8JB 001 944-011
119154	8KW 044 029-003	7.312.007.000.0	6ED 004 778-021	10302	8KL 054 005-002	1713 080	4DW 003 944-051
119164	8KW 044 030-003	7.312.018.000.0	6ED 004 778-001	10303	8KL 054 002-002	1722-043	9XS 091 200-007
119174	8KW 044 031-003	7 312 019 000 0	6ED 001 563-021	10304	8KL 712 943-002	1764-055	6JF 001 572-001
119184	8KW 044 038-003	7 371 083 000 0	4DM 004 639-061	10305	8KL 712 948-002	2647-232	8SB 002 406-001
119251	8KW 044 280-003	7 371 083 000 0	4DM 004 639-067	10306	8KL 712 944-002	3095-281	8KV 002 127-021
119262	8KW 044 033-002	7 371 084 000 0	4JA 005 355-001	10307	8KL 712 952-002	34777	8KV 002 139-001
119274	8KW 044 034-003	7 731 000 235 0	9GD 853 490-001	10308	8KL 712 957-002	34777	8KV 002 139-003
119421	8KW 700 143-003	7 731 000 235 0	9GD 853 490-007	10309	8KL 712 953-002	4159-650	6BG 001 545-001
119432	8KW 044 032-003	7 731 212 000 0	8BW 003 966-007	10310	8KL 712 993-001	4200-425	8HG 002 211-001
119441	8KW 702 796-003	000 810 00 16	8SB 560 991-012	10313	8KL 712 980-002	5138-613	8KW 048 056-033
119452	8KW 044 288-003	000 810 01 48	9XD 564 323-002	10315	8KL 712 997-001	5161-239	6GM 007 832-271
119461	8KW 044 040-003	000 810 01 58	8HS 563 390-002	10318	8KL 712 960-002	5161-477	9FF 713 627-011
119471	8KW 045 145-003	000 810 04 11	9BP 561 138-013	10319	8KL 712 962-002	5162138	9FF 713 627-031
119482	8KW 044 025-003	000 810 07 12	9SV 562 840-003	10321	8KL 712 964-001	5231-519	8JD 005 993-001
119492	8KW 044 026-003	000 810 11 11	9MX 562 846-002	10328	8KL 712 949-002	5231-519	8JD 005 993-002
119542	8KW 044 282-003	000 810 45 16	8SB 501 147-003	10329	8KL 712 947-002	5231-581	3SB 004 438-155
11960	8KW 705 393-003	000 811 00 44	9GD 564 362-002	10330	8KL 712 945-002	5240-775	6EK 002 843-001
119761	8KW 705 392-003	000 811 00 93	9GH 562 803-002	10331	8KL 712 950-002	5240-775	6EK 002 843-003
126032	8KW 701 235-033	000 811 02 06	9HB 564 363-002	10332	8KL 712 946-002	5240-775	6EK 002 843-007
12928	8KW 701 671-003	000 811 02 86	9SV 562 829-002	10365	8KL 712 948-002	5240-875	6EK 002 843-001
Eberspächer	Hella	000 811 03 25	9XD 564 384-002	10378	8KL 712 992-001	5240-875	6EK 002 843-003
201.00.124	6EH 004 406-022	000 811 03 60	9HB 564 364-002	10379	8KL 712 995-001	5240-875	6EK 002 843-007
ERF Trucks	Hella	000 811 04 25	9XD 564 376-002	10395	8KL 715 434-001	5241-216	6EJ 001 569-001

Cross-Reference



Faun

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5241-488

6GM 004 570-071

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8JS 711 685-002

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8WV 115 095-001

7000-459

8TW 004 764-041

7002-966

8SB 501 147-003

772 36 11

8SB 003 978-001

772 3617

8SB 003 978-041

7751-239

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8412-824

6FG 002 312-001

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8464-612

6ZE 001 759-061

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8KV 002 139-003

99700124294

8JD 002 289-001

99700524611

8JS 704 073-003

99700945314

8EV 003 361-011

99701041702

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8EZ 008 021-001

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8EZ 008 021-002

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6ZF 003 549-001

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8JA 003 832-001

99707000447

8JB 003 834-001

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8JS 711 683-031

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3PA 004 206-011

9970-7005802

8EZ 008 021-011

9970-7006598

8ES 008 123-001

9970-7006599

5DS 008 125-001

99707008987

8JB 008 023-001

9970 7011562

8JS 711 683-021

99707013066

8JA 007 589-021

9970 7015510

9GH 993 984-001

9970 7015510

9GH 993 984-007

9970 7030525

8KV 002 137-001

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8JS 711 683-002

9970 7731320

8JS 711 684-002

9970 7731323

8JS 711 687-002

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8JS 711 687-007

9970 7731324

8JS 711 688-002

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8JS 711 689-002

9970 7731326

8JS 711 690-002

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8JS 711 690-007

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99708412592

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8JD 005 235-002

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12746

4RV 008 188-111

12793

8TW 006 848-041

14419

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01483

4RP 008 189-051

03940

8TW 004 223-031

04675

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9089

8TW 006 847-021

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2 982 125 M91

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7 101 062 4

8SB 002 406-001

7 101 062 4

8SB 002 407-011

7 111 004 5

8HG 002 211-001

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7 113 001 8

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7 113 002 5

8JB 001 946-031

7 113 002 6

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8JA 002 262-001

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8JA 002 262-002

7 113 005 8

8JA 002 262-003

7 113 008 5

8KV 002 127-003

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8KV 002 127-007

7 169 357 17

8JA 002 263-001

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7 195 902 8

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8KX 091 394-001

7 515 587 04

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9GT 960 380-005

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Hella

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8KV 002 140-001

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8HS 071 414-001

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8KX 091 451-031

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8KX 091 451-032

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X830.230.550.000

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X 830 240 136 000

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6JF 001 571-002

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6EH 007 832-001

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6RH 007 832-441

32200100

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32210100

6RH 007 832-461

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32220200

6HH 007 832-661

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6HH 007 832-297

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32480100

6RH 007 832-491

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6FH 007 832-621

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6RH 008 948-002

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6RH 008 948-012

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6EH 007 832-751

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6RH 007 832-731

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6EH 004 570-681

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6RH 004 570-161

3311010000

6RH 004 570-171

33120100

6GM 004 570-201

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6GM 004 570-211

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6RH 004 570-261

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6RH 004 570-311

33180100

6RH 004 570-351

33190100

6RH 004 570-361

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6RH 004 570-401

33210100

6RH 004 570-411

33220100

6HH 004 570-451

33230100

6HH 004 570-477

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6GM 004 570-071

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6GM 004 570-081

33260100

6RH 004 570-191

33270100

6GM 004 570-221

33280100

6GM 004 570-231

33290100

6RH 004 570-331

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6HH 004 570-481

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6HH 004 570-491

33320100

6FH 004 570-501

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6FH 004 570-521

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6FH 004 570-531

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6EH 004 570-621

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6GM 004 570-691

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6RH 004 570-751

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6FH 004 570-131

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6RH 004 570-187

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6FH 004 570-541

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6EH 004 570-641

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6RH 004 570-321

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8JB 001 946-021

8820.102/1

8JB 001 123-001

8820.5/3

8JB 001 943-011

8820.5/4

8JB 001 943-041

8820.8

8JB 005 949-001

8820.9

8JB 005 949-011

8821.11

8JA 005 951-001

8821.7

8JA 002 262-001

8821.8

8JA 001 918-002

8821.8/1

8JA 001 930-003

8821.8/2

8JA 001 930-031

8823.2

8JB 003 833-001

8823.4

8JB 003 834-001

8824.2

8JA 003 831-001

8824.4

8JA 003 832-001

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Hella

137 499

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71 904 389

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8JA 001 926-001

2480125

8JA 703 947-011

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8KV 002 127-007

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8HS 071 415-001

3505851

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3BA 002 768-437

42080296

3AG 003 399-101

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4408159

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4408161

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46423043

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46423043

4RV 008 188-321

46428175

4RV 008 188-111

46438456

4RV 008 188-291

46443793

8TW 004 223-031

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8XY 007 526-001

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8TW 004 223-031

46797755

8TW 005 206-011

47762225

8TW 004 764-021

4776226

8TW 004 764-041

4792112

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4982226

8SB 003 609-061

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5127282

6JF 001 571-042

5143840

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5154298

8JA 003 526-001

5154298

8JA 003 526-002

51542980

8JA 003 526-001

51542980

8JA 003 526-002

542972

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8SB 002 406-001

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8HS 071 414-001

71130026

6ED 001 564-001

007 1730 375

8JB 004 123-001

007 1730 375

8JB 004 123-002

71904389

6TK 001



Manufacturer's no. / Hella no.
Cross-Reference

Fischer	Hella	Ford	Hella	Freienstein	Hella	Gabel	Hella
013.14.051	8KX 091 450-032	6 164 937	8TW 006 847-001	188025.TN000	8JS 713 808-003	62 448	8JA 005 951-001
013.14.052	8KX 091 451-032	6 171 402	4RV 008 188-211	188030.TN000	8JS 713 567-003	930 030	3CA 004 811-031
013.14.052	8KX 091 452-032	6 175 672	8TW 006 847-001	214005.TN000	8JS 704 073-003	940 021	3PB 003 001-603
013.14.072	8KL 715 436-001	6 194 291	4RV 008 188-221	214008.TN000	8JS 025 889-003	941 021	3PD 003 001-622
013.14.076	8KL 713 735-001	0 635 129	6JF 001 571-001	214016.TN000	8JS 089 015-003	Gaisbach Hella	
013.14.086	8KV 004 418-004	0 635 129	6JF 001 571-002	214025.TN000	8JS 091 603-003	485 077 1	9MJ 735 430-001
013.14.126	8KA 004 797-021	6 508 213	4RP 009 118-001	214040.TN000	8JS 713 144-003	502 121 55	8HL 717 962-011
002.09.010	8HL 717 962-041	6 749 807	4RV 008 188-401	217001.TN000	8JS 713 549-003	502 161	8HL 717 962-041
003.05.007	8KV 714 340-002	6 756 611	4RV 008 188-221	217005.TN000	8JS 713 550-003	502 161 55	8HL 717 962-041
003.05.008	8JS 711 683-821	6 756 612	4RV 008 188-221	257003.LN000	8JS 711 683-002	502 18	8HL 707 877-051
003.05.009	8JS 711 684-821	6 833 495	8TW 006 848-001	257005.LN000	8JS 711 684-002	502 18 55	8HL 707 877-051
003.05.010	8JS 711 685-821	6 847 572	4RV 008 188-401	257010.LN000	8JS 711 686-002	502 351 0	8HL 707 877-051
003.05.011	8JS 711 686-821	6ED 004 778-011	6ED 004 778-011	257015.LN000	8JS 711 687-002	510 950 2	8KA 007 648-001
Flösser Hella		7 003 177	8TW 006 848-001	257020.LN000	8JS 711 688-002	510 950 305	8HG 007 647-001
104805	8JS 704 073-801	7 003 178	8TW 006 847-001	257025.LN000	8JS 711 689-002	539 010 16	8HK 713 820-001
104808	8JS 025 889-801	7 145 535	8XY 006 481-101	257030.LN000	8JS 711 690-002	539 010 16 55	8HK 713 820-001
104816	8JS 089 015-801	7 222 079	8TW 005 206-051	257075.LN000	8JS 711 685-002	539 012 20	8HK 710 701-121
104825	8JS 091 603-801	738 4377 A	8JA 002 262-001	297004.LN000	8JS 728 596-801	539 012 22	8HK 713 820-011
16.22425	4DB 007 218-001	738 4377 A	8JA 002 262-002	297005.LN000	8JS 728 596-811	539 012 22 55	8HK 713 820-011
204803	8JS 711 683-002	738 4377 A	8JA 002 262-003	297010.LN000	8JS 728 596-821	539 016 25	8HK 710 701-131
204805	8JS 711 684-002	73 843 805	8JB 004 777-011	297015.LN000	8JS 728 596-831	539 016 27	8HK 713 820-021
204810	8JS 711 686-002	73 843 849	8JD 002 290-001	297020.LN000	8JS 728 596-841	539 016 27 55	8HK 713 820-021
204815	8JS 711 687-002	73 843 860	8JD 002 291-001	297030.LN000	8JS 728 596-851	539 020 32	8HK 710 701-141
204820	8JS 711 688-002	7 384 397	8SB 002 405-011	905	8KV 002 137-001	539 023 35	8HK 713 820-031
204825	8JS 711 689-002	73 882 211	8SB 002 407-011	906	8KV 002 139-001	539 025 40	8HK 710 701-151
204830	8JS 711 690-002	73 882 211	8SB 002 995-041	907	8KV 002 140-001	539 032 50	8HK 710 701-161
204875	8JS 711 685-002	74 003 418	8KX 091 452-031	908	8KV 002 141-001	539 050 70	8HK 713 820-071
3205	8JS 713 564-002	74 003 418	8KX 091 452-032	910	8KV 002 135-811	539 060 80	8HK 713 820-081
3210	8JS 713 805-003	74 003 451	3BA 002 768-382	Fritzmeier Hella		539 070 90	8HK 713 820-091
3215	8JS 713 806-003	7HB1350AB	4DW 003 944-051	115 045	8KW 045 145-003	539 080 100	8HK 713 820-101
3220	8JS 713 807-003	81 817 053	8JS 025 889-003	115 045	8KW 045 145-004	555 12	8KW 044 035-003
3225	8JS 713 808-003	81 817 350	8JA 001 930-001	115 050	8KW 044 026-003	555 557	8KV 715 923-003
3230	8JS 713 567-003	81 817 350	8JA 001 930-002	147 440	8KV 002 127-021	555 562	8KV 712 169-003
504810	8JS 728 596-141	81 817 350	8JA 001 930-003	220 522	8SB 003 609-061	555 958 25	8KW 700 144-003
504815	8JS 728 596-151	81DB13A450BA	8JB 001 943-001	221 325	5WG 002 450-291	556 1	8KV 002 137-001
610502	8JD 005 235-801	81DB13A450BA	8JB 001 943-002	221 325	5WG 002 450-297	556 2	8KV 002 139-001
Ford Hella		81DB13A450BA	8JB 001 943-003	222 824	6EJ 996 067-631	556 3	8KV 002 140-001
1 030 720	8XY 008 238-011	83 905 203	8JS 089 015-003	222 829	8JB 008 023-001	556 4	8KV 002 141-001
1 112 804	8TW 006 849-011	83 955 255	8JB 004 123-001	224531	6ZF 005 388-001	558 450 40	8KW 043 630-013
1 209 387	8TW 006 849-031	83 955 255	8JB 004 123-002	224834	8EZ 008 022-011	558 502 9	8KW 705 393-003
1 530 665	6ED 004 778-011	83 956 953	8JA 002 262-001	224843	6ZF 004 365-031	558 504 0	8KW 043 629-013
1 583 532	6ZE 001 759-051	83 956 953	8JA 002 262-002	224 878	9GH 993 984-001	558 505 4	8KW 043 630-013
1 630 263	4RV 008 188-211	83 956 953	8JA 002 262-003	224 878	9GH 993 984-007	558 505 4	8KW 048 056-033
1 630 363	4RV 008 188-211	83BB 17K624 AA	8TW 006 849-001	600 196	8KW 044 036-003	558 505 4 25	8KW 048 056-033
1 647 770	6ZF 004 365-031	84DB0013800AA	3PB 003 001-601	600 196	8KW 044 036-004	558 513 5	8KW 043 635-013
1 652 479	4RV 008 188-221	84DB0013800AA	3PB 003 001-603	600 245	8KW 044 022-003	558 514 3	8KW 701 671-003
1 652 613	8TW 006 847-001	84DB0013800BA	3PB 003 001-611	600 245	8KW 044 022-004	558 514 3 25	8KW 701 671-003
1 657 855	3AF 003 399-041	84DB0013800BA	3PB 003 001-613	604607	8KW 700 143-003	558 531 2	8KW 744 698-003
1 657 856	3AF 003 399-051	86 010 491	8SB 501 263-014	622 582	8KW 702 796-003	558 603 2	8KW 701 235-033
1 657 858	6ZE 001 759-071	87AB17K624CA	8TW 006 847-001	623 125	8KW 044 035-003	558 603 2 25	8KW 701 235-033
1 660 692	3PB 003 001-611	89DB17K624BB	8TW 005 496-051	628 895	8KW 708 374-003	558 643 1	8KW 744 821-003
1 660 692	3PB 003 001-613	8C46 13B576 AA	8JA 005 952-041	628 895	8KW 708 374-004	558 900 1	8KW 044 275-003
1 958 437	8TW 004 223-031	92AB17K624AA	8TW 006 848-001	662 920	8SB 003 609-061	558 901 1	8KW 044 276-003
1 958 438	8TW 004 223-031	92GG12A597BA	4RP 009 118-001	750 719	8KW 044 288-003	558 901 1 25	8KW 044 276-003
1 959 252	8TW 005 206-031	93BB17K624AA	8TW 006 848-001	750 719	8KW 044 288-004	558 902 1	8KW 044 291-003
1C1T 13350BA	4DB 003 750-711	93BB17K624BA	8TW 006 847-001	85365011	6ZF 004 365-031	558 902 1 25	8KW 044 291-003
1C1T 13350BA	4DB 003 750-717	93BB6M092AA	4RV 008 188-401	EC2888632	4DM 009 492-001	558 903 1	8KW 744 772-003
1C1T 13350 CA	4DM 003 360-021	93BB6M092BA	4RV 008 188-401	Gabel Hella		558 904 1	8KW 744 773-003
1C1T 13350 CA	4DM 003 360-027	95CT 17K706BA	8SB 501 147-021	300 021	6EG 001 567-041	558 905 1	8KW 044 036-003
1C462C226AA	8KA 007 648-001	95CT17K706CA	8SB 501 137-031	300 061	8KV 002 127-011	558 905 11	8KW 708 373-003
2M21 13K082 AA	8TW 006 849-031	95VW17K624AA	8TW 005 206-051	300 064	8KV 002 127-011	558 905 11 25	8KW 708 373-003
2M5113K198AA	6NM 007 878-041	97CT17K624BA	8TW 005 496-051	300 261	8KV 002 127-021	558 905 1 25	8KW 044 036-003
30 202 454	8KW 044 032-003	98CT14K997AA	8KA 004 793-031	300 264	8KV 002 127-021	558 905 2	8KW 044 022-003
30 202 454	8KW 044 032-004	98CT14K998AA	8JB 003 837-001	300 274	8KV 002 127-003	558 905 22	8KW 708 374-003
30 202 647	8KW 700 143-003	98CT 15K235AC	4RA 003 437-091	300 371	8KV 705 123-813	558 905 22 25	8KW 708 374-003
30 316 304	8JD 002 289-001	98CT 15K235AC	4RA 003 437-097	300 381	8KW 044 036-812	558 905 2 25	8KW 044 022-003
30 521 032	8KW 044 288-003	98CT15K235CA	4RA 003 437-091	300 391	8KW 044 022-822	558 905 4	8KW 044 023-003
30 521 032	8KW 044 288-004	98CT15K235CB	4RA 003 437-097	300 401	8KW 044 032-812	558 905 4 25	8KW 044 023-003
30 555 618	8KW 044 025-003	98CT 15K235CB	4RA 003 437-097	300 421	8KW 044 027-812	558 905 44	8KW 744 799-003
30 555 629	8JA 001 930-031	98CT 15K235CB	4RA 003 437-097	300 431	8KW 044 029-003	558 906 2	8KW 044 041-003
33 902 329	8KX 707 912-001	V1C4414526A	6EK 008 458-011	300 441	8KW 044 026-812	558 907 2 25	8KW 044 041-003
3 955 255	8JB 004 123-001	V78GG 15A587AA	6ZE 001 759-051	300 451	8KW 044 025-812	558 908 2	8KW 044 028-003
3 955 255	8JB 004 123-002	V82VG 15A587AA	6ZE 001 759-071	300 461	8KW 044 033-812	558 908 2 25	8KW 044 028-003
3C4617618BA	8BW 003 966-037	V84VG 15585AA	3AF 003 399-041	300 502	8JS 711 685-002	558 909 2	8KW 044 027-003
4DB13800AA	3PB 003 001-601	V84VG 15585BA	3AF 003 399-051	300 503	8JS 711 686-002	558 909 2 25	8KW 044 027-003
4DB13800AA	3PB 003 001-603	V92VG13350AA	4DW 003 390-051	300 504	8JS 711 687-002	558 910 2	8KW 044 039-003
4DB13800BA	3PB 003 001-611	V93GG 18213AA	8JB 004 777-001	300 505	8JS 711 688-002	558 910 2 25	8KW 044 039-003
4DB13800BA	3PB 003 001-613	V93GG 18213AA	8JB 004 777-002	300 506	8JS 711 689-002	558 911 2	8KW 044 277-003
5C46 13B576 AA	8JB 007 242-021	V95CT13K309AA	8SB 003 614-081	300 507	8JS 711 690-002	558 912 2	8KW 744 775-003
5C46 13B576 AA	8KA 007 648-041	V96CT17K706AA	8SB 003 614-081	300 521	8KV 002 137-801	558 914 4	8KW 744 776-003
5C46 13N406 AA	8JB 007 242-021	V96CT17K706CA	8SB 004 288-103	300 671	8KW 708 374-812	558 915 4	8KW 044 029-003
5C46 13N406 AA	8KA 007 648-041	V98CT17K706AA	8SB 501 156-031	300 681	8KW 708 373-812	558 915 4 25	8KW 044 029-003
6 058 163	4DW 003 944-051	VVC1514A658AA	6ZF 003 549-001	300 781	8KW 044 288-812	558 916 4	8KW 044 030-003
6 083 293	8JA 003 526-001	XCT15K235AA	4RD 007 903-001	300 821	8KW 700 143-812	558 916 4 25	8KW 044 030-003
6 083 293	8JA 003 526-002	XCT15K235AA	4RD 007 903-007	300 831	8KW 044 039-003	558 917 4	8KW 044 031-003
6 092 658	8TW 004 764-021	XS4V18213AA	8JB 004 777-001	300 841	8KW 044 030-003	558 917 4 25	8KW 044 031-003
6 107 322	4RP 008 189-001	XS4V18213AA	8JB 004 777-002	300 851	8KW 044 031-003	558 918 4	8KW 044 038-003
6 132 248	4RV 008 188-211	YC4417K706EA	8SB 501 147-031	300 881	8KW 044 040-812	558 918 4 25	8KW 044 038-003
6 140 949	8TW 006 849-001	YM21 13K082 BA	8TW 006 849-011	300 891	8KW 045 145-812	558 920 2	8KW 044 038-003
6 143 688	4RV 008 188-161	YM2117A612PA	8WV 115 095-001	300 981	8KW 702 796-003		

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Cross-Reference



Gaisbach	Hella	Gaisbach	Hella	Geka	Hella	Hagus	Hella
558 927 4	8KW 044 034-003	770 010 1 45	8KL 712 948-001	21/400	8KX 719 757-001	9625	9MX 127 585-002
558 927 4 25	8KW 044 034-003	770 010 1 75	8KL 712 948-002	2463	8KV 002 132-001	9627	9MX 560 096-002
558 928 25	8KW 043 636-003	770 010 2	8KL 712 949-002	35029	8KW 708 373-003	9648	9EY 117 129-001
558 929 25	8KW 043 630-013	770 010 2 45	8KL 712 949-001	35030	8KW 708 374-003	9672	9EY 561 445-001
558 940 2	8KW 044 024-003	770 010 2 75	8KL 712 949-002	35032	8KW 044 036-003	9673	9MX 561 449-001
558 940 2 25	8KW 044 024-003	770 010 3	8KL 712 945-002	35033	8KW 044 022-003	Hako	
558 941 4	8KW 700 142-003	770 010 3 45	8KL 712 945-001	35034	8KW 044 023-003	14 99501 9	8KX 091 451-031
558 941 4 25	8KW 700 142-003	770 010 3 75	8KL 712 945-002	35135	8KW 702 796-003	14 99501 9	8KX 091 451-032
558 942 1	8KW 700 143-003	770 010 4	8KL 712 947-002	35136	8KW 044 288-003	19-25016-4	6GM 007 832-191
558 942 1 25	8KW 700 143-003	770 010 40	8KL 712 950-002	35226	8KW 043 636-003	19-25016-4	6GM 007 832-197
558 943 2	8KW 044 032-003	770 010 40 45	8KL 712 950-001	35255	8KW 044 027-003	19-25017-2	6FH 007 832-101
558 943 2 25	8KW 044 032-003	770 010 40 75	8KL 712 950-002	35332	8KW 045 145-003	19-25017-2	6FH 007 832-107
558 944 1	8KW 702 796-003	770 010 41	8KL 712 946-002	35334	8KW 044 026-003	19-25020-4	9XT 714 300-041
558 944 1 25	8KW 702 796-003	770 010 41 75	8KL 712 946-002	35335	8KW 044 040-003	19-25021-2	9FF 713 627-001
558 945 2	8KW 044 288-003	770 010 42	8KL 712 944-002	35337	8KW 044 025-003	19-25022-0	8HG 716 734-001
558 945 2 25	8KW 044 288-003	770 010 42 75	8KL 712 944-002	35540	8KW 044 280-003	19-25022-0	8HG 716 734-007
558 946 1	8KW 044 040-003	770 010 4 45	8KL 712 947-001	35541	8KW 044 033-002	19-25023-8	8HG 716 735-001
558 946 1 25	8KW 044 040-003	770 010 4 75	8KL 712 947-002	35542	8KW 044 034-003	19-25023-8	8HG 716 735-007
558 947 1	8KW 045 145-003	770 010 5	8KL 712 952-002	4x0,75	8KL 712 987-001	19-25027-9	9XT 713 630-201
558 947 1 25	8KW 045 145-003	770 010 5 45	8KL 712 952-001	5009	8KW 043 629-013	19-25033-5	6FG 002 315-001
558 948 2	8KW 044 025-003	770 010 5 75	8KL 712 952-002	6x0,75	8KL 712 989-001	19-25520-7	9XT 713 630-281
558 948 2 25	8KW 044 025-003	770 010 6	8KL 712 957-002	625/16	8JS 089 015-003	19255298	9XT 713 630-301
558 949 2	8KW 044 026-003	770 010 6 45	8KL 712 957-001	625/25	8JS 091 603-003	19-25535-5	9XT 714 300-201
558 949 2 25	8KW 044 026-003	770 010 7	8KL 712 958-002	625/5	8JS 704 073-003	19-25536-3	9XT 714 300-141
558 960	8KW 705 393-003	770 010 7 45	8KL 712 958-001	625/8	8JS 025 889-003	19-25542-1	2AA 713 628-011
558 960 25	8KW 705 393-003	770 010 99	8KL 712 959-002	630/10	8JS 711 686-002	19-25544-7	9XT 714 300-181
558 961	8KW 744 733-003	770 010 99 45	8KL 712 959-001	630/15	8JS 711 687-002	19-25545-4	2AA 713 628-001
558 962	8KW 744 734-003	770 011 00 45	8KL 712 962-001	630/20	8JS 711 688-002	19-25546-2	9XT 713 630-251
558 975 1	8KW 744 699-003	770 011 00 45	8KL 712 962-002	630/25	8JS 711 689-002	19 25585 0	6GM 007 832-191
558 976 1	8KW 705 392-003	770 011 0 45	8KL 712 960-001	630/3	8JS 711 683-002	19 25585 8	6GM 007 832-197
558 976 1 25	8KW 705 392-003	770 011 0 45	8KL 712 960-002	630/30	8JS 711 690-002	19 25586 8	6FH 007 832-101
730 25 161	8JS 089 015-003	770 011 10 45	8KL 712 965-001	630/5	8JS 711 684-002	19 25586 8	6FH 007 832-107
730 25 161 25	8JS 089 015-003	770 011 1 45	8KL 712 964-001	630/7,5	8JS 711 685-002	19 25588 4	9XT 714 300-041
730 25 25	8JS 091 603-003	770 020 1 45	8KL 712 975-002	70/13	8JA 005 951-001	19255900	8HG 716 734-001
730 25 25 25	8JS 091 603-003	770 020 2 45	8KL 712 977-002	7013/72	8JA 005 952-011	19255900	8HG 716 734-007
730 25 5 25	8JS 704 073-003	770 030 0 45	8KL 712 980-002	70/24S	8JA 003 831-001	19 25591 8	8HG 716 735-001
730 25 8	8JS 025 889-003	770 075	8KL 054 001-002	70/7	8JA 001 930-003	19 25591 8	8HG 716 735-007
730 25 8 25	8JS 025 889-003	770 075 1	8KL 054 005-002	71/13	8JB 005 949-001	19-49501-9	8KX 091 451-031
731 003	8JS 711 683-002	770 075 1 75	8KL 054 005-002	712	8JB 004 123-001	19-49501-9	8KX 091 451-032
731 005	8JS 711 684-002	770 075 2	8KL 054 006-002	71/24/1	8JB 003 833-001	19-49502-7	8KX 091 452-031
731 005 25	8JS 711 684-002	770 075 2 75	8KL 054 006-002	713	8JB 002 286-021	19-49502-7	8KX 091 452-032
731 005 32	8JS 711 684-821	770 075 3	8KL 054 003-002	713D	8JB 002 286-031	19-49702-3	8KX 707 917-031
731 007 5	8JS 711 685-002	770 075 4	8KL 054 004-002	7x1,5	8KL 712 997-001	19-72002-8	8KW 044 033-002
731 007 5 25	8JS 711 685-002	770 075 42	8KL 054 002-002	71/7	8JB 001 943-003	19-72002-8	8KW 044 033-004
731 007 5 32	8JS 711 685-821	770 075 75	8KL 054 001-002	72	8JB 001 939-001	19-72116-6	8KW 044 034-003
731 010	8JS 711 686-002	770 090 1	8KL 054 012-002	73/7	8JA 001 918-002	19-72116-6	8KW 044 034-004
731 010 25	8JS 711 686-002	770 090 2	8KL 054 013-002	77/24-F	8JB 003 833-011	19721208	8KW 044 033-002
731 010 32	8JS 711 686-821	770 090 4	8KL 054 011-002	77/7	8JB 001 941-002	19721208	8KW 044 033-004
731 015	8JS 711 687-002	770 090 9	8KL 054 014-002	78/2	8JA 002 262-001	19 72122 4	8KW 044 280-003
731 015 25	8JS 711 687-002	770 091 0	8KL 054 009-002	7x1	8KL 715 435-001	19 72122 4	8KW 044 280-004
731 015 32	8JS 711 687-821	770 10	8KL 054 008-002	FLK1,0B	8KL 712 941-001	19-72703-1	8KV 705 123-002
731 020	8JS 711 688-002	770 10 75	8KL 054 008-002	FLK1,0R	8KL 712 940-001	19-72703-1	8KV 705 123-004
731 020 25	8JS 711 688-002	770 110 0 75	8KL 712 962-002	FLK1,0S	8KL 712 936-001	19-72801-3	8KV 002 136-001
731 020 32	8JS 711 688-821	770 110 75	8KL 712 960-002	FLK1,5B	8KL 712 949-001	19-72803-9	8KV 002 127-021
731 025	8JS 711 689-002	770 111 2	8KL 712 967-001	FLK1,5R	8KL 712 948-001	19-72930-0	8JA 003 526-001
731 025 25	8JS 711 689-002	770 111 21	8KL 712 968-001	FLK1,5S	8KL 712 943-001	19-72930-0	8JA 003 526-002
731 025 32	8JS 711 689-821	770 111 3	8KL 712 969-001	FLK16S	8KL 712 969-001	19-73102-5	8JS 089 015-003
731 030	8JS 711 690-002	770 112	8KL 712 970-001	FLK2,5B	8KL 712 958-001	19-73103-3	8JS 091 603-003
731 030 25	8JS 711 690-002	770 113	8KL 712 971-001	FLK2,5R	8KL 712 957-001	19-79118-5	8JA 715 606-001
731 040 25	8JS 711 683-031	770 113 5	8KL 712 972-001	FLK25S	8KL 712 970-001	26-20001-4	8KL 712 975-001
731 102 25	8JS 728 596-081	770 120 45	8KL 712 992-001	FLK35S	8KL 712 971-001	26-20001-4	8KL 712 975-002
731 103 25	8JS 728 596-101	770 310 0	8KL 712 943-001	FLK50S	8KL 712 972-001	26-20008-9	8KL 712 976-001
731 104 25	8JS 728 596-121	770 310 1	8KL 712 948-001	M16/200	8KX 707 916-011	26-20504-7	8KL 712 950-001
731 104 25	8JS 728 596-801	770 310 2	8KL 712 949-001	M16/250	8KX 707 916-021	26-20504-7	8KL 712 950-002
731 105 25	8JS 728 596-131	770 310 3	8KL 712 945-001	M21/200	8KX 707 917-011	26-20505-4	8KL 712 949-001
731 105 25	8JS 728 596-811	770 310 4	8KL 712 947-001	M21/300	8KX 707 917-031	26-20505-4	8KL 712 949-002
731 110 25	8JS 728 596-141	770 310 40	8KL 712 950-001	P71/13	8HG 005 953-001	26-20513-8	8KL 712 957-001
731 110 25	8JS 728 596-821	770 310 41	8KL 712 946-001	ST3	8JA 002 263-001	26-20513-8	8KL 712 957-002
731 115 25	8JS 728 596-151	770 310 42	8KL 712 944-001	General Motors		26-20536-9	8KL 712 945-001
731 115 25	8JS 728 596-831	770 310 5	8KL 712 952-001	13250288	Hella	26-20536-9	8KL 712 945-002
731 120 25	8JS 728 596-161	770 310 6	8KL 712 957-001	13250288	9GD 853 490-001	26 20540 1	8KL 712 960-001
731 120 25	8JS 728 596-841	770 310 7	8KL 712 958-001	90045821	9GD 853 918-006	26 20540 1	8KL 712 960-002
731 125 25	8JS 728 596-091	770 310 92	8KL 712 953-001	90213473	6EZ 005 345-021	26-20544-3	8KL 712 964-001
731 130 25	8JS 728 596-171	770 310 99	8KL 712 959-001	90276526	6EZ 005 345-021	26-20637-7	8KL 712 948-001
731 130 25	8JS 728 596-851	770 311 0	8KL 712 960-001	90457812	6NM 007 282-641	26-20637-7	8KL 712 948-002
731 175 25	8JS 728 596-111	770 311 00	8KL 712 962-001	90492832	6NM 007 282-641	26-21902-2	8KL 713 753-001
731 220 25	8JS 728 595-051	770 311 1	8KL 712 964-001	90508709	8TW 006 849-051	90-04942-0	6EG 001 567-041
731 230 25	8JS 728 595-061	770 311 10	8KL 712 965-001	90585761	8TW 004 223-061	90-04942-0	6EG 001 567-042
731 240 25	8JS 728 595-071	770 311 6 45	8KL 712 993-001	90590665	6NM 007 878-351	90-10566-9	6ZF 003 549-021
731 250 25	8JS 728 595-081	770 311 7 45	8KL 715 434-001	92191909	9GD 853 490-001	90-10567-7	6ZF 003 549-001
731 260 25	8JS 728 595-091	770 311 8 45	8KL 712 997-001	92191909	9GD 853 490-007	90-12221-9	6BA 001 539-001
731 270 25	8JS 728 595-101	770 311 9 45	8KL 712 995-001	Hagus		90-12221-9	6BA 001 539-007
731 501 25	8JS 713 575-021	985 1 75	9MJ 707 874-013	50 295 032	Hella	90-13641-7	4DM 003 944-041
731 80 25	8JS 713 575-041	985 2 75	9MJ 707 875-013	5104	8JS 704 073-003	90-13856-1	6DD 001 551-011
732 30 10	8JS 713 805-003	985 4 75	9MJ 707 871-013	5115	8SB 003 609-011	90-13856-1	6DD 001 551-017
732 30 15	8JS 713 806-003	985 500	9XX 734 570-001	5116	8SB 003 978-001	90-14181-3	8JB 004 777-001
732 30 20	8JS 713 807-003	985 5 75	9MJ 707 873-013	5122	8SB 003 978-041	90-14181-3	8JB 004 777-002
732 30 25	8JS 713 808-003	985 6 75	9MJ 707 869-013	5123	8SB 003 614-001	90142563	6ED 001 563-001
732 30 30	8JS 713 567-003	985 8 75	9MJ 707 870-013	5175	8SB 003 614-011	90142563	6ED 001 563-003
733 20 1	8JS 713 549-003	Geka		9617	8SB 501 081-031	90142563	6ED 001 563-004
733 20 5	8JS 713 550-003	Hella		9620	9EY 125 314-001	90174897	



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Hako	Hella	Hanomag	Hella	Herth & Buss	Hella	Herth & Buss	Hella
90-29489-3	8SB 501 137-031	501 1800 031	6JF 001 571-002	50 251 226	8KW 043 636-003	50 252 170	8KW 744 839-003
90-34014-3	8KX 707 916-001	504 1810 014	8JB 001 940-001	50 251 227	8KW 700 144-003	50 252 171	8KW 744 840-003
90-34014-4	8KX 091 394-001	50730999	8KV 002 139-001	50 251 228	8KW 701 671-003	50 252 172	8KW 744 841-003
90-35733-6	8SB 003 614-081	50730999	8KV 002 139-001	50 251 250	8KW 744 724-003	50 252 173	8KW 744 842-003
90-35779-9	8KA 003 806-001	50730999	8KV 002 139-003	50 251 251	8KW 744 725-003	50 252 174	8KW 744 843-003
90-36049-5	8SB 003 614-091	000 5088 65	6JF 001 572-001	50 251 252	8KW 744 726-003	50 252 175	8KW 744 844-003
90-37956-1	4AZ 003 787-021	50941798	8JS 711 686-002	50 251 267	8KW 701 671-003	50 252 176	8KW 744 845-003
90 38850 5	9FF 713 627-001	50941798	8JS 711 686-007	50 251 269	8KW 744 827-003	50 252 177	8KW 744 846-003
90-38852-1	9XT 713 630-461	055109	8KW 044 031-003	50 251 270	8KW 744 821-003	50 252 178	8KW 744 847-003
90-43446-5	4AZ 001 879-051	05511440	8KW 044 022-003	50 251 317	8KW 744 820-003	50 252 210	8KW 744 777-003
90 50892 0	8SB 501 156-021	05511440	8KW 044 022-004	50 251 322	8KW 863 927-033	50 252 212	8KW 744 778-003
90-71346-2	8JA 002 262-001	05513140	8KW 044 023-003	50 251 323	8KW 863 927-023	50 252 213	8KW 744 779-003
90-71346-2	8JA 002 262-002	05513140	8KW 044 023-004	50 251 349	8KW 744 727-003	50 252 214	8KW 744 780-003
90-71346-2	8JA 002 262-003	05712540	6ED 001 563-001	50 251 350	8KW 744 728-003	50 252 221	8KW 744 782-003
90-74077-0	8SB 002 994-001	05712540	6ED 001 563-003	50 251 351	8KW 744 729-003	50 252 222	8KW 044 282-003
90-74225-5	8HG 713 626-001	05712540	6ED 001 563-004	50 251 422	8KW 744 825-003	50 252 223	8KW 744 783-003
90-74226-3	6EH 007 832-001	05729640	8KV 002 132-001	50 251 500	8KW 744 730-003	50 252 260	8KW 744 784-003
90-74226-3	6EH 007 832-007	582 9547 09	8SB 002 997-001	50 251 501	8KW 744 731-003	50 252 261	8KW 744 785-003
90-74227-1	9HB 713 629-001	595 9751 910	8SB 002 991-001	50 251 502	8KW 744 732-003	50 252 262	8KW 744 786-003
90-74229-7	9XT 713 630-251	595 9752 210	8SB 002 991-001	50 251 515	8KW 744 834-003	50 252 301	8KW 044 037-003
90-74230-5	9XT 713 630-101	000 0620 953	8JB 001 946-021	50 251 520	8KW 043 635-013	50 252 409	8KW 744 769-003
90-74232-1	9XT 713 630-711	000 0620 953	8JB 001 946-022	50 251 521	8KW 043 635-013	50 252 410	8KW 744 770-003
90-74240-4	6RH 007 832-351	716 9357 17	8JA 002 263-001	50 251 521	8KW 744 823-003	50 252 411	8KW 744 771-003
90-74241-2	6RH 007 832-331	751 5585 22	8KX 091 394-001	50 251 522	8KW 048 056-033	50 252 500	8KW 705 393-003
90-74242-0	6GM 007 832-181	751 8700 18	6BG 001 545-001	50 251 523	8KW 744 832-003	50 252 500/66	8KW 744 779-003
90-74243-8	9XT 713 630-131	077 3941 386	9EY 111 231-001	50 251 525	8KW 744 752-003	50 252 505	8KW 705 392-003
90799305	8SB 501 147-021	077 3941 760	8SB 002 992-001	50 251 561	8KX 707 925-003	50 252 505/66	8KW 705 392-812
95-80157-7	8JD 004 588-001	960021	6HD 002 535-101	50 251 562	8KX 707 924-003	50 252 507	8KW 744 697-003
		000 0998 223	8JA 703 947-011	50 251 622	8KW 744 833-003	50 252 508	8KW 744 698-003
Hanomag	Hella	B 961 713 242 06	8KV 705 123-002	50 251 700	8KW 746 779-003	50 252 510	8KW 044 036-003
(Komatsu)		B 961 713 242 06	8KV 705 123-004	50 251 701	8KW 746 783-003	50 252 510/03	8KW 044 036-812
2818 585 M1	8JB 001 946-021	B 969 171 324 201	6BA 001 539-001	50 251 703	8KW 746 778-003	50 252 510/66	8KW 044 036-812
2840 534 M1	6FG 002 312-001	B 969 171 324 201	6BA 001 539-007	50 251 808	8KW 863 917-013	50 252 510/99	8KW 044 036-003
2898 810 M91	3BA 002 768-382	B 969 171 324 202	8SB 002 992-001	50 251 809	8KW 863 924-003	50 252 511	8KW 044 022-003
2898 810 M91	3BA 002 768-651	B 969 171 324 213	8PD 004 509-001	50 251 810	8KW 863 918-003	50 252 511/03	8KW 044 022-822
2924 330 M91	8JD 002 290-001	B 969 171 324 213	6ZE 001 759-071	50 251 811	8KW 863 945-003	50 252 511/66	8KW 044 022-822
3002 760 X1	8KV 002 137-001	B 969 171 346 206	8KX 043 021-031	50 251 812	8KW 863 918-013	50 252 511/99	8KW 044 022-003
3074 153 M91	8KV 002 127-021	B 969 271 409 203	8KX 043 021-032	50 251 813	8KW 863 926-003	50 252 512	8KW 044 023-003
3089 997 M1	8JB 001 935-001	B 969 271 409 204	8KX 091 452-031	50 251 814	8KW 863 926-013	50 252 513	8KW 044 024-003
3227 704 M91	8SB 002 992-001	B 969 271 409 204	8KX 091 452-032	50 251 815	8KW 863 916-003	50 252 514	8KW 700 142-003
1732 184 M1	8JA 001 926-001	B 969 271 409 205	8JS 711 685-002	50 251 816	8KW 863 919-003	50 252 519	8KW 744 699-003
000 1800 407	8JD 002 294-001	B 969 271 409 206	8JS 711 686-002	50 251 817	8KW 863 919-013	50 252 520	8KW 702 796-003
000 1800 407	8JD 002 294-002	B 969 271 409 206	8JS 711 686-007	50 251 818	8KW 863 925-003	50 252 521	8KW 044 288-003
000 1800 607	8JD 002 291-001	B 969 271 409 207	8JS 711 687-002	50 251 819	8KW 863 925-013	50 252 521/66	8KW 044 288-812
185 7030 040	9EY 117 129-001	B 969 271 409 207	8JS 711 687-007	50 251 821	8KW 054 948-003	50 252 522	8KW 744 700-003
20E-06-H9150	3AG 003 399-101	B 969 271 456 008	6TK 001 756-001	50 251 823	8KW 054 948-013	50 252 530	8KW 045 145-003
20K 0632 130	4RD 007 903-021	B 969 271 456 010	8JB 001 939-001	50 251 824	8KW 054 947-003	50 252 530/66	8KW 045 145-812
20K 0632 130	4RD 007 903-027	B 969 271 456 010	8JB 001 939-002	50 251 825	8KW 054 947-013	50 252 531	8KW 044 026-003
281 8585 M1	8JB 001 946-021	B 969 271 456 011	8JA 005 951-001	50 251 826	8KW 863 934-003	50 252 531/03	8KW 044 026-812
281 8585 M1	8JB 001 946-022	B 969 271 456 011	8JA 005 951-003	50 251 827	8KW 863 927-003	50 252 531/66	8KW 044 026-812
2818 585 M1	8JB 001 946-021	H55 0959 100	8SB 002 995-001	50 251 828	8KW 863 923-003	50 252 532	8KW 044 040-003
2818 585 M1	8JB 001 946-022	X 860 400 021 771	SWA 001 871-041	50 251 829	8KW 863 922-003	50 252 532/66	8KW 044 040-812
284 0534 M1	6FG 002 312-001	X 860 400 021 831	8JA 001 926-001	50 251 830	8KW 863 917-003	50 252 533	8KW 044 025-003
284 0534 M1	6FG 002 312-002	X 860 460 000 140	8JD 002 294-001	50 251 831	8KW 863 924-013	50 252 533/03	8KW 044 025-812
2840 534 M1	6FG 002 312-001	X 860 460 000 140	8JD 002 294-002	50 251 832	8KW 863 916-013	50 252 533/66	8KW 044 025-812
2840 534 M1	6FG 002 312-002	X 862 170 153 311	8JB 001 946-031	50 251 833	8KW 863 915-003	50 252 536	8KW 744 734-003
2842 267 M1	9EY 111 231-001	X 880 000 921 241	8JD 002 289-001	50 251 835	8KW 744 866-003	50 252 537	8KW 744 733-003
289 8810 M91	3BA 002 768-382	X 880 000 921 243	8JB 004 123-001	50 251 835	8KW 863 922-013	50 252 540	8KW 044 280-003
2898 810 M91	3BA 002 768-382	X 880 000 921 243	8JB 004 123-002	50 251 836	8KW 744 864-003	50 252 541	8KW 044 033-002
292 4325 M91	6BB 001 540-001	X 880 000 921 246	8JA 002 262-001	50 251 836	8KW 863 923-013	50 252 541/03	8KW 044 033-812
292 4330 M91	8JD 002 290-001	X 880 000 921 246	8JA 002 262-002	50 251 849	8KW 863 929-003	50 252 541/66	8KW 044 033-812
2937 745 M91	4DM 003 474-001	X 880 000 921 246	8JA 002 262-003	50 251 857	8KW 863 927-013	50 252 543	8KW 044 034-003
2937 745 M91	4DM 003 474-007	X 880 000 983 332	9EY 117 126-001	50 251 858	8KW 863 931-003	50 252 550	8KW 700 143-003
2942 267 M 1	9EY 111 231-001	X 880 001 085 192	6ED 004 778-021	50 251 871	8KW 863 934-023	50 252 550/66	8KW 700 143-812
2942 408 M1	8SB 002 407-011			50 251 871	8KW 863 934-024	50 252 551	8KW 044 032-003
2951376M1	6ED 001 563-001			50 251 873	8KW 054 944-003	50 252 551/03	8KW 044 032-812
2951376M1	6ED 001 563-003			50 251 874	8KW 054 943-003	50 252 551/66	8KW 044 032-812
2951376M1	6ED 001 563-004			50 251 875	8KW 054 941-003	50 252 552	8KW 732 579-003
295 1388 M91	6ED 001 564-001			50 251 876	8KW 054 942-003	50 252 552/66	8KW 732 579-003
2986 336 M1	6ED 004 778-031			50 251 876	8KW 746 780-003	50 252 552/99	8KW 732 579-003
2995 668 X1	8JS 091 603-003			50 251 950	8KW 746 781-003	50 252 553	8KW 732 580-003
2996 403 M1	8KV 002 137-011			50 251 951	8KW 044 275-003	50 252 553/66	8KW 732 580-003
300 2760 X1	8KV 002 137-001			50 252 112	8KW 044 276-003	50 252 553/99	8KW 732 580-003
3002 760 X1	8KV 002 137-001			50 252 112/66	8KW 044 276-812	50 252 554	8KW 732 581-003
3074 153 M91	8KV 002 127-021			50 252 113	8KW 044 291-003	50 252 554/66	8KW 732 581-003
3083 184 M91	8HK 710 702-191			50 252 114	8KW 744 772-003	50 252 554/99	8KW 732 581-003
3083 190 M91	6TK 001 756-001			50 252 115	8KW 744 773-003	50 252 565	8KW 044 035-003
3086 997 M1	8JB 001 935-001			50 252 116	8KW 744 774-003	50 252 566	8KW 044 035-003
308 9997 M1	8JB 001 935-001			50 252 120	8KW 044 041-003	50 252 567	8KV 715 923-003
322 7704 M91	8SB 002 992-001			50 252 121	8KW 044 028-003	50 252 567	8KV 715 923-801
3227 704 M91	8SB 002 992-001			50 252 121/66	8KW 044 028-812	50 252 568	8KV 715 923-003
322 7798 M1	9GH 045 833-001			50 252 122	8KW 044 027-003	50 252 568/99	8KV 715 923-003
32372440	8KW 044 025-003			50 252 122/03	8KW 044 027-812	50 252 569	8KV 705 123-002
381 8102 616	8SB 003 978-041			50 252 122/66	8KW 044 027-812	50 252 569/66	8KV 705 123-813
38521340	8EZ 008 022-011			50 252 123	8KW 044 039-003	50 252 569/99	8KV 705 123-004
4099 65M 1	8JB 001 941-001			50 252 123	8KW 044 039-812	50 252 571	8KV 712 169-003
4099 65M 1	8JB 001 941-002			50 252 123/66	8KW 044 039-812	50 252 571/66	8KV 712 169-003
4210 0H0 650	8JB 001 944-011			50 252 124	8KW 044 277-003	50 252 575	8KV 744 858-003
421 06H9 030	3BA 002 768-201			50 252 124/66	8KW 044 277-812	50 252 576	8KV 744 859-003
42106H910	3AF 003 399-061			50 252 125	8KW 744 775-003	50 252 577	8KV 744 860-003
44030599							

Manufacturer's no. / Hella no.
Cross-Reference



Herth & Buss	Hella	Herth & Buss	Hella	Herth & Buss	Hella	Herth & Buss	Hella
50 252 606/99	8KW 732 571-003	50 268 250	8HK 713 394-001	50 290 830	8JA 746 184-062	50 295 459	8JS 740 026-361
50 252 607	8KW 732 573-003	50 268 401	8HK 748 452-002	50 290 835	8JA 746 183-012	50 295 460	8JS 740 026-371
50 252 607/99	8KW 732 573-003	50 268 402	8HK 748 452-022	50 290 836	8JA 746 183-022	50 295 462	8JS 740 026-501
50 252 608	8KW 732 575-003	50 268 403	8HK 748 452-032	50 290 837	8JA 746 183-032	50 295 463	8JS 740 026-511
50 252 609	8KW 732 577-003	50 268 404	8HK 748 452-042	50 290 838	8JA 746 183-042	50 295 464	8JS 740 026-521
50 252 610	8KW 744 754-003	50 268 405	8HK 748 452-052	50 290 839	8JA 746 183-052	50 295 465	8JS 740 026-531
50 252 612	8KW 732 574-003	50 268 406	8HK 748 452-062	50 290 840	8JA 746 183-062	50 295 466	8JS 740 026-541
50 252 612/99	8KW 732 574-003	50 272 002	9MJ 707 869-852	50 291 021	8KV 002 139-001	50 295 467	8JS 740 026-551
50 252 613	8KW 732 576-003	50 272 010	9MJ 707 869-003	50 291 023	8KV 002 140-001	50 295 468	8JS 740 026-561
50 252 613/99	8KW 732 576-003	50 272 010	9MJ 707 869-013	50 291 030	8KV 002 137-001	50 295 469	8JS 740 026-571
50 252 614	8KW 732 578-003	50 272 010	9MJ 707 869-852	50 291 030/66	8KV 002 137-801	50 295 470	8JS 740 026-601
50 252 614/99	8KW 732 578-003	50 272 011	9MJ 707 870-013	50 291 031	8KV 002 139-001	50 295 471	8JS 740 026-611
50 252 615	8KW 744 755-003	50 272 012	9MJ 707 871-013	50 291 031/66	8KV 002 139-003	50 295 472	8JS 740 026-701
50 252 622	8KW 732 566-003	50 272 013	9MJ 707 873-013	50 291 032	8KV 002 140-001	50 295 473	8JS 740 026-711
50 252 622/99	8KW 732 566-003	50 272 015	9MJ 707 874-013	50 291 033	8KV 002 141-001	50 295 474	8JS 740 026-721
50 252 623	8KW 732 567-003	50 272 016	9MJ 707 875-013	50 291 041	8KV 002 132-001	50 295 476	8JS 740 026-101
50 252 623/99	8KW 732 567-003	50 272 110	9MJ 707 869-003	50 291 041/66	8KV 002 132-001	50 295 477	8JS 740 026-111
50 252 625	8KW 732 568-003	50 272 110	9MJ 707 869-013	50 291 042	8KV 002 133-001	50 295 478	8JS 740 026-401
50 252 625/99	8KW 732 568-003	50 272 111	9MJ 707 870-013	50 295 005	8JS 713 550-003	50 295 479	8JS 740 026-411
50 252 626	8KW 732 569-003	50 272 112	9MJ 707 871-013	50 295 010	8JS 713 575-112	50 295 480	8JS 740 026-421
50 252 626/99	8KW 732 569-003	50 272 113	9MJ 707 873-013	50 295 011	8JS 713 575-122	50 295 481	8JS 740 026-431
50 252 627	8KW 744 761-003	50 272 114	9MJ 707 872-003	50 295 012	8JS 713 575-132	50 295 482	8JS 740 026-441
50 252 628	8KW 744 762-003	50 272 115	9MJ 707 874-003	50 295 013	8JS 713 575-152	50 295 501	8JS 711 683-011
50 252 629	8KW 744 763-003	50 272 115	9MJ 707 874-013	50 295 014	8JS 713 575-162	50 295 501/66	8JS 711 683-831
50 252 631	8KW 744 765-003	50 272 116	9MJ 707 875-003	50 295 015	8JS 713 575-172	50 295 502	8JS 711 683-021
50 252 632	8KW 744 766-003	50 272 116	9MJ 707 875-013	50 295 032	8JS 704 073-003	50 295 502/66	8JS 711 683-841
50 252 633	8KW 744 767-003	50 272 150	9MJ 735 430-001	50 295 034	8JS 025 889-003	50 295 503	8JS 711 683-002
50 252 634	8KW 744 768-003	50 281 070	9GT 735 641-012	50 295 035	8JS 089 015-003	50 295 503/66	8JS 711 683-821
50 252 639	8KW 744 890-013	50 281 071	9GD 735 641-022	50 295 036	8JS 091 603-003	50 295 503/99	8JS 711 683-002
50 252 639/66	8KW 744 890-013	50 282 040	9GD 863 952-012	50 295 048	8JS 713 549-003	50 295 505	8JS 711 684-002
50 252 639/99	8KW 744 890-013	50 282 041	9GD 863 952-002	50 295 051	8JS 713 804-003	50 295 505/66	8JS 711 684-821
50 252 640	8KW 744 887-013	50 282 042	9GD 863 953-012	50 295 100	8JS 713 575-011	50 295 505/99	8JS 711 684-002
50 252 640/66	8KW 744 887-013	50 282 043	9GD 863 953-002	50 295 102	8JS 713 575-021	50 295 507	8JS 711 685-002
50 252 640/99	8KW 744 887-013	50 282 044	9GD 863 954-012	50 295 103	8JS 713 575-031	50 295 507/66	8JS 711 685-821
50 252 641	8KW 744 888-013	50 282 045	9GD 863 954-002	50 295 104	8JS 713 575-001	50 295 507/99	8JS 711 685-002
50 252 641/66	8KW 744 888-013	50 282 046	8JD 743 710-001	50 295 105	8JS 713 575-041	50 295 510	8JS 711 686-002
50 252 641/99	8KW 744 888-013	50 282 046	9GD 863 961-012	50 295 106	8JS 713 575-051	50 295 510/66	8JS 711 686-821
50 252 642	8KW 744 889-013	50 282 047	8JD 743 709-001	50 295 107	8JS 713 575-061	50 295 510/99	8JS 711 686-002
50 252 642/66	8KW 744 889-013	50 282 047	9GD 863 961-022	50 295 150	8JS 713 564-002	50 295 515	8JS 711 687-002
50 252 642/99	8KW 744 889-013	50 282 048	9GD 746 185-002	50 295 151	8JS 713 805-003	50 295 515/66	8JS 711 687-821
50 252 655	8KW 177 727-002	50 28 2048/99	9GD 746 185-002	50 295 152	8JS 713 806-003	50 295 515/99	8JS 711 687-002
50 252 656	8KW 177 727-012	50 282 049	9GD 746 187-002	50 295 153	8JS 713 807-003	50 295 520	8JS 711 688-002
50 252 657	8KW 177 727-112	50 290 025	8KV 177 785-017	50 295 154	8JS 713 808-003	50 295 520/66	8JS 711 688-821
50 252 658	8KW 177 727-212	50 290 027	8KV 177 785-007	50 295 155	8JS 713 567-003	50 295 520/99	8JS 711 688-002
50 253 312	8KW 863 932-003	50 290 038/33	8KV 003 284-001	50 295 286	8JS 713 575-201	50 295 525	8JS 711 689-002
50 253 313	8KW 863 933-013	50 290 038/33	8KV 004 871-041	50 295 287	8JS 713 575-211	50 295 525/66	8JS 711 689-002
50 253 314	8KW 863 932-013	50 290 056	8KV 002 135-811	50 295 289	8JS 713 575-221	50 295 525/99	8JS 711 689-002
50 253 315	8KW 863 930-003	50 290 057	8KV 003 124-811	50 295 290	8JS 713 575-241	50 295 530	8JS 711 690-002
50 253 316	8KW 863 934-013	50 290 061	8KV 002 127-003	50 295 291	8JS 713 575-271	50 295 530/66	8JS 711 690-821
50 253 318	8KW 863 930-013	50 290 061/66	8KV 002 127-801	50 295 292	8JS 713 575-281	50 295 530/99	8JS 711 690-002
50 253 319	8KW 863 928-003	50 290 065	8KV 002 136-001	50 295 293	8JS 713 575-291	50 295 540	8JS 711 683-031
50 253 320	8KW 863 928-013	50 290 066	8KV 002 127-003	50 295 294	8JS 713 575-231	50 295 540/66	8JS 711 683-851
50 253 321	8KW 863 928-033	50 290 067	8KV 002 127-021	50 295 295	8JS 713 575-251	50 295 542	8JS 728 595-131
50 253 323	8KW 863 951-003	50 290 068	8KV 002 127-011	50 295 296	8JS 713 575-261	50 295 542/66	8JS 728 595-051
50 253 324	8JD 743 710-001	50 290 079	8KV 002 136-011	50 295 297	8JS 713 575-301	50 295 543	8JS 728 595-141
50 253 324	8KW 863 951-013	50 290 092	8JD 743 136-001	50 295 299	8JS 713 575-311	50 295 543/66	8JS 728 595-061
50 253 325	8JD 743 709-001	50 290 093	8KV 714 340-002	50 295 309	8JS 704 073-003	50 295 544	8JS 728 595-151
50 253 325	8KW 863 951-023	50 290 093/66	8KV 714 340-811	50 295 310	8JS 025 889-003	50 295 544/66	8JS 728 595-071
50 253 326	8KW 744 836-002	50 290 094	8KV 004 418-004	50 295 311	8JS 089 015-003	50 295 545	8JS 728 595-161
50 253 327	8KW 744 837-002	50 290 095	8JD 743 557-031	50 295 312	8JS 091 603-003	50 295 545/66	8JS 728 595-081
50 254 210	8KW 708 373-003	50 290 221	8JD 008 151-001	50 295 330	8JS 740 026-731	50 295 546	8JS 728 595-171
50 254 210/66	8KW 708 373-812	50 290 241	8KW 744 886-003	50 295 331	8JS 740 026-741	50 295 546/66	8JS 728 595-091
50 254 211	8KW 708 374-003	50 290 242	8KW 744 856-003	50 295 332	8JS 740 026-751	50 295 547	8JS 728 595-181
50 254 211/66	8KW 708 374-812	50 290 250	8JD 008 151-041	50 295 333	8JS 740 026-761	50 295 547/66	8JS 728 595-101
50 254 215	8KW 744 703-003	50 290 251	8JD 008 152-041	50 295 334	8JS 740 026-771	50 295 548	8JS 728 595-191
50 254 216	8KW 744 704-003	50 290 252	8JD 008 151-051	50 295 335	8JS 740 026-781	50 295 548/66	8JS 728 595-111
50 254 217	8KW 744 705-003	50 290 253	8JD 008 152-051	50 295 401	8JS 711 683-011	50 295 572	8JS 728 596-081
50 265 806	8HS 749 193-002	50 290 265	8JA 715 606-001	50 295 402	8JS 711 683-021	50 295 572/66	8JS 728 596-861
50 265 812	8HS 749 192-022	50 290 274	8JD 008 151-011	50 295 403	8JS 711 683-002	50 295 573	8JS 728 596-101
50 265 815	8HS 749 193-032	50 290 275	8JD 008 152-011	50 295 405	8JS 711 684-002	50 295 573/66	8JS 728 596-881
50 265 820	8HS 749 194-012	50 290 278	8JD 008 152-001	50 295 407	8JS 711 685-002	50 295 574	8JS 728 596-121
50 265 831	8HS 749 192-002	50 290 279	8JD 008 151-021	50 295 410	8JS 711 686-002	50 295 574	8JS 728 596-801
50 266 225	8HS 071 414-001	50 290 280	8JD 008 152-021	50 295 415	8JS 711 687-002	50 295 574/66	8JS 728 596-801
50 266 226	8HS 071 415-001	50 290 283	8JD 008 152-061	50 295 420	8JS 711 688-002	50 295 575	8JS 728 596-131
50 266 232	8HS 071 415-001	50 290 284	8JD 008 151-061	50 295 425	8JS 711 689-002	50 295 575	8JS 728 596-811
50 266 233	8HS 071 414-001	50 290 285	8JD 008 151-031	50 295 430	8JS 711 690-002	50 295 575/66	8JS 728 596-811
50 266 393	8HL 707 877-032	50 290 286	8JD 008 152-031	50 295 432	8JS 740 026-001	50 295 576	8JS 728 596-111
50 266 393	8HL 707 877-141	50 290 289	8JA 003 526-001	50 295 433	8JS 740 026-011	50 295 576/66	8JS 728 596-891
50 266 397	8HL 707 877-121	50 290 297	8JD 008 151-051	50 295 434	8JS 740 026-021	50 295 577	8JS 728 596-141
50 266 398	8HL 707 877-081	50 290 344	8JD 743 708-001	50 295 435	8JS 740 026-031	50 295 577	8JS 728 596-821
50 266 400	8HL 707 877-091	50 290 344	8JD 743 709-001	50 295 436	8JS 740 026-041	50 295 577/66	8JS 728 596-821
50 266 402	8HL 707 877-101	50 290 344	8JD 743 710-001	50 295 443	8JS 740 026-201	50 295 578	8JS 728 596-151
50 266 404	8HL 707 877-131	50 290 672	8JB 742 649-001	50 295 444	8JS 740 026-241	50 295 578	8JS 728 596-831
50 266 493	8HL 717 962-181	50 290 674	9MK 741 492-011	50 295 445	8JS 740 026-251	50 295 578/66	8JS 728 596-831
50 266 496	8HL 717 962-031	50 290 805	8KW 744 854-003	50 295 446	8JS 740 026-211	50 295 579	8JS 728 596-161
50 266 514	8HL 717 962-061	50 290 806	8KW 744 855-003	50 295 447	8JS 740 026-261	50 295 579	8JS



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Cross-Reference

Herth & Buss	Hella	Herth & Buss	Hella	Herth & Buss	Hella	Herth & Buss	Hella
50 295 593	8JS 728 596-292	50 390 827	8KW 744 807-801	51 275 128/30	8KL 717 461-001	51 305 517	8JA 005 476-001
50 295 594	8JS 728 596-302	50 390 828	8KW 744 808-801	51 275 138/00	8KL 712 975-001	51 305 517/66	8JA 001 918-002
50 295 595	8JS 728 596-312	50 390 829	8KW 744 809-801	51 275 139/00	8KL 712 976-001	51 305 526	8JA 001 918-011
50 295 596	8JS 728 596-322	50 390 830	8KW 744 810-801	51 275 146/00	8KL 735 190-001	51 305 527	8JA 001 918-002
50 295 597	8JS 728 596-332	51 273 317	9MJ 007 825-061	51 275 178/00	8KL 712 981-001	51 305 527	8JA 001 930-003
50 295 598	8JS 728 596-342	51 273 318	9MJ 007 825-011	51 275 436/00	8KL 713 737-001	51 305 527	8JA 005 476-001
50 295 599	8JS 728 596-352	51 273 319	9MJ 007 825-001	51 275 527/00	8KL 713 740-012	51 305 527/66	8JA 001 930-002
50 295 850	8JS 711 683-202	51 273 320	9MJ 007 825-031	51 275 528/00	8KL 713 740-001	51 305 535	8JA 001 916-001
50 295 851	8JS 711 683-212	51 273 321	9MJ 007 825-021	51 275 537/00	8KL 713 741-001	51 305 541	8JA 007 644-041
50 295 852	8JS 711 683-222	51 273 322	9MJ 007 825-051	51 275 538/00	8KL 713 742-001	51 305 543	8JA 002 263-001
50 295 853	8JS 711 683-232	51 273 323	9MJ 007 825-041	51 275 548/00	8KL 713 744-001	51 305 543	8JA 002 263-031
50 295 854	8JS 711 683-242	51 273 324	9MJ 007 825-071	51 275 558/00	8KL 715 436-001	51 305 551	8JA 001 916-001
50 295 855	8JS 711 683-252	51 273 620	9MJ 008 039-001	51 275 578/00	8KL 715 437-001	51 305 555	8JA 007 644-051
50 295 856	8JS 711 683-262	51 273 621	9MJ 008 039-021	51 275 626/00	8KL 177 370-002	51 305 557	8JA 007 644-051
50 295 857	8JS 711 683-272	51 273 622	9MJ 008 039-031	51 275 627/00	8KL 177 370-012	51 305 584	8JA 003 832-001
50 295 858	8JS 742 901-061	51 273 624	9MJ 008 039-041	51 275 627/00	8KL 712 991-001	51 305 587	8JA 003 831-001
50 295 859	8JS 742 901-001	51 273 625	9MJ 008 039-051	51 275 628/00	8KL 177 370-022	51 305 589	8JA 008 084-001
50 295 860	8JS 742 901-011	51 273 626	9MJ 008 039-061	51 275 628/00	8KL 712 992-001	51 305 590	8JA 008 084-011
50 295 861	8JS 742 901-021	51 274 206/00	8KL 054 001-002	51 275 638/00	8KL 712 993-001	51 305 598	8JA 003 832-011
50 295 862	8JS 742 901-041	51 274 206/01	8KL 054 002-002	51 275 645/00	8KL 742 810-001	51 305 630	8JA 005 951-001
50 295 863	8JS 742 901-051	51 274 206/02	8KL 054 003-002	51 275 647/00	8KL 712 994-001	51 305 635	8JA 002 263-011
50 295 864	8JS 742 901-071	51 274 206/03	8KL 712 929-011	51 275 648/00	8KL 712 995-001	51 305 639	8JB 007 242-011
50 295 865	8JS 742 901-031	51 274 206/04	8KL 054 004-002	51 275 650/00	8KL 712 996-001	51 305 642	8JB 007 242-011
50 295 870	8JS 742 902-001	51 274 206/05	8KL 054 005-002	51 275 658/00	8KL 715 434-001	51 305 642	8JB 007 242-021
50 295 871	8JS 742 902-011	51 274 206/06	8KL 054 006-002	51 275 677/00	8KL 715 435-001	51 305 645	8JA 005 952-061
50 295 872	8JS 742 902-031	51 274 206/07	8KL 054 007-002	51 275 678/00	8KL 712 997-001	51 305 820	8JA 001 925-001
50 295 873	8JS 742 902-041	51 274 207/00	8KL 054 008-002	51 275 682/00	8KL 719 852-001	51 305 821	8JB 002 281-011
50 295 874	8JS 742 902-071	51 274 207/01	8KL 054 009-002	51 275 688/00	8KL 713 735-001	51 305 910	8JA 002 264-011
50 295 875	8JS 742 902-091	51 274 207/02	8KL 054 010-002	51 275 726/00	8KL 712 986-001	51 305 916	8JA 001 931-001
50 295 880	8JS 747 876-001	51 274 207/04	8KL 054 011-002	51 275 746/00	8KL 712 988-001	51 306 001	8KA 007 589-091
50 295 881	8JS 747 876-011	51 274 207/05	8KL 054 012-002	51 275 813/00	8KL 713 750-001	51 306 003	8ES 007 589-121
50 295 882	8JS 747 876-021	51 274 207/06	8KL 054 013-002	51 275 814/00	8KL 713 751-001	51 306 018	8JA 001 921-102
50 295 883	8JS 747 876-031	51 274 207/07	8KL 054 014-002	51 275 815/00	8KL 713 752-001	51 306 018	8JA 002 252-103
50 295 884	8JS 747 876-041	51 274 208/00	8KL 712 943-002	51 275 816/00	8KL 712 972-001	51 306 018	8JA 004 667-001
50 295 885	8JS 747 876-051	51 274 208/01	8KL 712 944-002	51 275 816/00	8KL 713 753-001	51 306 031	8JA 001 915-001
50 295 886	8JS 747 876-061	51 274 208/02	8KL 712 945-002	51 276 507	8KA 010 807-001	51 306 043	8JA 007 589-052
50 295 887	8JS 747 876-071	51 274 208/03	8KL 712 946-002	51 276 510	8KA 004 797-071	51 306 051	8JA 002 262-001
50 295 888	8JS 747 876-081	51 274 208/04	8KL 712 947-002	51 276 511	8KA 004 797-081	51 306 051	8JA 002 262-002
50 295 900	8JS 174 320-001	51 274 208/05	8KL 712 948-002	51 276 513	8KA 004 797-031	51 306 060	8JA 007 589-011
50 295 901	8JS 174 320-011	51 274 208/06	8KL 712 949-002	51 276 514	8KA 007 965-011	51 306 062	8JA 007 589-032
50 295 902	8JS 174 320-021	51 274 208/07	8KL 712 950-002	51 276 520	8KA 004 797-041	51 306 068	8JA 007 589-042
50 295 903	8JS 174 320-031	51 274 209/00	8KL 712 952-002	51 276 521	8KA 004 797-051	51 306 125	8JA 007 589-001
50 295 904	8JS 174 320-041	51 274 209/02	8KL 712 954-002	51 276 522	8KA 004 797-021	51 306 255	8JA 007 589-062
50 295 905	8JS 174 320-051	51 274 209/04	8KL 712 956-002	51 276 523	8KA 007 648-061	51 306 256	8JA 007 589-141
50 295 906	8JS 174 320-061	51 274 209/05	8KL 712 957-002	51 276 532	8KA 004 797-101	51 306 256	8JB 008 032-001
50 295 907	8JS 174 320-071	51 274 209/06	8KL 712 958-002	51 276 543	8JA 005 952-001	51 306 340	8KA 007 589-071
50 295 921	8JS 174 326-001	51 274 209/07	8KL 712 959-002	51 276 553	8KA 004 797-111	51 306 341	8KA 007 589-081
50 295 922	8JS 174 326-011	51 274 210/00	8KL 712 960-002	51 276 556	8KA 007 648-021	51 306 342	8KA 007 589-101
50 295 923	8JS 174 326-021	51 274 210/05	8KL 712 962-002	51 276 567	8KA 007 648-001	51 306 343	8JA 007 589-111
50 295 924	8JS 174 326-031	51 274 227	8KL 712 980-002	51 276 569	8JA 005 952-001	51 306 510	8JB 001 946-031
50 295 925	8JS 174 326-041	51 274 238/00	8KL 712 975-002	51 276 574	8KA 007 648-011	51 306 512	8JB 001 946-041
50 295 927	8JS 174 326-051	51 275 017/00	8KL 712 984-001	51 276 588	8JA 005 952-041	51 306 518	8JB 001 946-021
50 295 950	8JS 174 328-001	51 275 027/75	8KL 712 980-001	51 276 598	8KA 007 648-041	51 306 518	8JB 004 777-001
50 295 951	8JS 174 328-011	51 275 106/00	8KL 712 929-001	51 305 105	8JA 010 805-001	51 306 525	8JB 004 123-001
50 295 952	8JS 174 328-021	51 275 106/01	8KL 712 930-001	51 305 106	8JA 010 805-011	51 306 533	8JB 004 123-032
50 295 953	8JS 174 328-031	51 275 106/02	8KL 712 931-001	51 305 113	8JB 001 933-031	51 306 710	8JB 001 946-041
50 295 980	8JS 174 330-001	51 275 106/04	8KL 712 932-001	51 305 114	8JB 001 944-011	51 306 721	8JB 001 946-011
50 295 981	8JS 174 330-011	51 275 106/05	8KL 712 933-001	51 305 117	8JB 001 941-002	51 306 721	8JB 001 946-082
50 295 982	8JS 174 330-021	51 275 106/06	8KL 712 934-001	51 305 117/66	8JB 001 941-001	51 306 722	8JB 004 777-001
50 295 983	8JS 174 330-031	51 275 106/07	8KL 712 935-001	51 305 117/66	8JB 001 941-002	51 306 750	8JB 001 946-072
50 295 984	8JS 174 330-041	51 275 107/00	8KL 712 936-001	51 305 127	8JB 001 941-001	52 285 032	8KX 747 875-001
50 295 985	8JS 174 330-051	51 275 107/01	8KL 712 937-001	51 305 128	8JB 001 943-003	52 285 033	8KX 747 875-011
50 295 986	8JS 174 330-061	51 275 107/02	8KL 712 938-001	51 305 128	8JB 001 943-011	52 285 040	8KX 091 451-032
50 296 035	8JS 089 015-003	51 275 107/04	8KL 712 939-001	51 305 131	8JB 005 949-011	52 285 041	8KX 091 452-032
50 296 037	8JS 091 603-003	51 275 107/05	8KL 712 940-001	51 305 132	8HG 005 953-001	52 285 050	8KX 091 450-032
50 296 110	8JS 003 481-803	51 275 107/06	8KL 712 941-001	51 305 135	8JB 001 933-011	52 285 051	8KX 043 021-032
50 296 116	8JS 711 683-903	51 275 107/07	8KL 712 942-001	51 305 142	8JB 007 645-021	52 285 070	8KX 716 405-001
50 300 010	8JD 002 288-001	51 275 108/00	8KL 712 943-001	51 305 148	8HG 007 647-001	52 285 071	8KX 716 405-011
50 300 051	9XS 091 200-007	51 275 108/01	8KL 712 944-001	51 305 169	9GD 735 641-001	52 285 072	8KX 742 695-032
50 300 059	8JD 005 235-002	51 275 108/02	8KL 712 945-001	51 305 220	8JB 001 941-041	52 285 073	8KX 742 695-022
50 300 067	8JD 743 557-081	51 275 108/03	8KL 712 946-001	51 305 227	8JB 006 462-001	52 285 080	8KX 707 911-001
50 300 068	8JD 743 135-001	51 275 108/04	8KL 712 947-001	51 305 240	8JA 007 241-031	52 285 081	8KX 707 911-011
50 300 133	8JD 004 588-001	51 275 108/05	8KL 712 948-001	51 305 251	8JB 007 645-021	52 285 082	8KX 091 453-001
50 300 134	8JD 005 993-131	51 275 108/06	8KL 712 949-001	51 305 255	8JB 007 645-031	52 285 120	8KX 707 912-001
50 300 211	8JD 002 289-001	51 275 108/07	8KL 712 950-001	51 305 256	8JB 007 645-031	52 285 121	8KX 707 912-011
50 300 211/66	8JD 002 289-001	51 275 109/00	8KL 712 952-001	51 305 284	8JB 003 834-001	52 285 128	8KX 707 913-011
50 300 217	8JD 002 289-013	51 275 109/01	8KL 712 953-001	51 305 285	8JB 003 833-011	52 285 129	8KX 707 913-001
50 300 221	8JD 002 289-081	51 275 109/03	8KL 712 955-001	51 305 286	8JB 003 833-031	52 285 550	9MJ 747 877-001
50 300 410	8JD 002 294-001	51 275 109/05	8KL 712 957-001	51 305 287	8JB 008 085-021	52 287 025	8KX 091 392-001
50 300 414	8JD 002 294-011	51 275 109/06	8KL 712 958-001	51 305 289	8JB 003 833-001	52 287 030	8KX 091 394-001
50 300 423/66	8JD 002 294-081	51 275 109/07	8KL 712 959-001	51 305 290	8JB 008 085-001	52 287 035	8KX 719 756-001
50 300 424	8JD 005 993-082	51 275 110/00	8KL 712 960-001	51 305 291	8JB 008 085-011	52 287 040	8KX 719 757-001
50 300 427	8JD 005 993-072	51 275 110/05	8KL 712 962-001	51 305 297	8JB 008 085-041	52 287 050	8KX 719 757-012
50 300 624	8JD 005 993-102	51 275 111/00	8KL 712 964-001	51 305 298	8JB 003 834-031	52 287 812	8KX 707 917-021
50 300 627	8JD 005 993-092	51 275 111/05	8KL 712 965-001	51 305 320	8JB 002		

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Herth & Buss	Hella	Herth & Buss	Hella	Hueco	Hella	Interconti	Hella
56 376 056	3SL 996 139-001	10 899 123	4RV 008 188-031	132036	4RV 008 188-061	41654	6EG 001 567-041
56 376 057	3SL 996 139-111	10 899 136	4RV 008 188-171	132037	4RV 008 188-071	41760	8KV 002 139-001
56 392 507	8EZ 008 022-001	10 899 138	4RV 008 188-221	13 20 38	4RV 008 188-371	46 560	8KV 002 127-003
56 392 508	8EZ 008 022-011	10 899 149	4RV 008 188-071	132040	4RP 008 189-111	054200	8KL 712 943-001
56 392 517	8EZ 008 021-001	10 899 151	4RV 008 188-041	132041	4RP 008 189-121	054210	8KL 712 948-001
56 392 518	8EZ 008 021-011	10 899 152	4RV 008 188-061	132050	4RV 008 188-081	054220	8KL 712 949-001
56 394 255	8JB 008 023-001	10 899 153	4RV 008 188-051	132051	4RV 008 188-091	054230	8KL 712 945-001
56 394 256	8JB 008 023-011	10 899 158	4RV 008 188-221	132052	4RV 008 188-101	054240	8KL 712 950-001
56 394 355	8JB 008 023-001	10 899 176	4RV 008 188-201	132053	4RV 008 188-111	054310	8KL 712 975-001
56 394 356	8JB 008 023-011	10 899 179	4RV 008 188-001	132055	4RV 008 188-131	054320	8KL 712 977-001
65 451 020	8TW 004 223-031	10 899 180	4RV 008 188-021	13 20 59	4RV 008 188-391	054400	8KL 712 952-001
65 451 023	8TW 005 496-011	10 899 188	4RV 008 188-171	132060	4RV 008 188-161	054410	8KL 712 957-001
65 451 025	8TW 005 206-031	10 899 195	4RV 008 188-011	132061	4RV 008 188-171	054420	8KL 712 962-001
65 451 029	8TW 006 847-001	10 899 196	4RV 008 188-171	132062	4RV 008 188-181	054430	8KL 712 960-001
65 451 031	8TW 004 223-061	Holder Hella		132063	4RV 008 188-191	57004	8KW 705 393-003
65 451 033	8TW 006 848-001	141334	8SB 004 288-103	132064	4RV 008 188-201	57014	8KW 705 392-003
65 451 036	8TW 005 206-011	141335	8KA 003 806-001	132065	4RV 008 188-211	57024	8KW 044 036-003
65 451 036	8TW 005 206-031	147284	8HG 713 626-001	132067	4RV 008 188-221	57034	8KW 044 022-003
65 451 037	8TW 006 847-001	148257	8XY 004 735-001	13 20 71	4RV 008 188-331	57044	8KW 708 374-003
65 451 038	8TW 006 847-021	0001800407	8JD 002 294-001	132076	4RV 008 188-251	57054	8KW 044 288-003
65 451 039	8TW 005 206-051	0001800407	8JD 002 294-002	132080	4RV 008 188-271	57104	8KW 700 143-003
65 451 044	8TW 006 848-021	0001800607	8JD 002 291-001	132081	4RV 008 188-281	57114	8KW 044 032-003
65 451 044	8TW 006 848-041	019575	8JD 002 291-001	132082	4RV 008 188-291	57204	8KW 045 145-003
70 460 021	6AJ 001 751-021	019591	4DN 008 768-021	132083	4RV 008 188-301	57214	8KW 044 026-003
70 465 020	6EK 002 843-001	019591	4DN 008 768-027	132084	4RV 008 188-311	57234	8KW 044 040-003
70 475 016	6BB 001 540-001	023129	6TA 003 394-011	132085	4RV 008 188-321	57244	8KW 044 025-003
70 485 010	6DD 001 551-001	023129	6TA 003 394-017	13 20 90	4RV 008 188-401	57264	8KW 044 280-003
70 511 157	6ED 004 778-021	025828	8JA 002 263-001	13 21 63	4RV 008 188-421	57274	8KW 044 033-002
70 580 059	6ZF 004 365-001	028762	6EH 007 832-021	13 82 00	8ES 006 658-001	57504	8KW 043 636-003
70 580 060	6ZF 004 365-011	028762	6EH 007 832-022	13 82 10	8ES 006 658-011	Irmscher Hella	
70 580 068	6ZF 004 365-031	028762	6EH 007 832-027	13 82 31	8ES 006 658-021		0072200961
70 580 071	6ZF 004 229-011	028767	6RH 007 832-451	13 82 61	8ES 006 658-021		7712016
70 590 110	6ED 001 563-001	030735	6EH 007 832-041	15 12 15	8JB 001 934-001		7712017
70 591 062	6ED 001 565-001	030764	9XT 734 713-591	15 12 71	8JA 002 264-001	7712019	8JA 003 526-001
75 605 057	4DM 003 390-011	030765	9XT 740 763-341	15 32 11	8JB 001 935-001	7712020	8JA 711 375-001
75 605 078	4DB 003 425-041	030766	9XT 740 763-381	15 32 71	8JA 001 931-001	7712033	6JF 001 571-101
75 605 080	4DB 007 218-001	030767	9XT 713 630-221	15 43 71	8JA 002 263-001	7712132	6TA 003 394-011
75 605 126	4DM 003 390-031	030769	6RH 007 832-731	15 47 22	8JB 006 462-001	0077512112	8HL 717 964-001
75 605 126	4DW 004 513-001	030770	9XT 714 300-771	15 47 31	8JB 001 941-002	Iveco Hella	
75 605 139	4DW 003 944-051	030771	9XT 713 630-391	15 47 33	8JB 001 943-003		0110 0564
75 613 126	4RA 007 793-031	030772	9XT 713 630-281	15 47 71	8JA 001 918-002		0110 0564
75 613 127	4RA 007 957-001	030773	9XT 713 630-701	15 47 72	8JA 001 930-003		1125 440EY887677
75 613 152	4RD 007 903-011	030774	9XT 714 300-011	15 47 73	8JB 001 939-001	1125 440EY887677	8KV 002 139-003
75 613 156	4RD 007 794-021	030775	9XT 713 630-301	15 57 13	8JB 003 833-001	0116 3922	6BA 001 539-001
75 614 033	4RP 008 189-081	030776	9XT 713 630-311	15 57 72	8JA 003 831-001	0116 3922	6BA 001 539-007
75 614 035	4RV 008 188-191	030777	6HH 007 832-301	IHC Hella		0116 4380	6BG 001 545-001
75 614 036	4RV 008 188-171	030777	6HH 007 832-307	3 050 159 R 2	6ED 001 563-021	1241 130	8JA 001 931-001
75 614 036	4RV 008 188-181	030778	6FH 007 832-081	3 057 633 R 91	6BA 001 539-001	237 6392KZ1210-67	8SB 002 991-001
75 614 042	4RP 008 189-041	030778	6FH 007 832-087	3 057 633 R 91	6BA 001 539-007	2446 648	4DW 003 944-051
75 614 062	4RP 008 189-071	030819	9GH 993 984-001	3 141 485 R 91	6BA 001 539-047	2446 984	6HF 001 579-011
75 614 062	4RP 008 189-081	030819	9GH 993 984-007	3 220 449 R 1	8KV 705 123-002	2462 769	6HF 001 579-061
75 614 064	4RP 008 189-091	030848	6HH 007 832-771	3 220 449 R 1	8KV 705 123-004	2480 072	4DM 002 834-001
75 614 073	4RV 008 188-161	030849	6RH 007 832-421	3 221 177 R 1	6BA 001 539-057	2480 073	4DW 002 834-101
75 614 075	4RV 008 188-161	030852	9XT 713 630-401	3 231 791 R 1	8JD 002 291-011	2480 122	8JA 001 926-001
75 614 077	4RP 008 189-051	030871	8HG 714 504-001	3 234 431 R 91	6BA 001 539-047	2480 125	8JA 703 947-011
75 614 087	4RV 008 188-081	030977	9XT 734 713-351	3 399 522 R 1	6BA 001 539-057	2480 456	6ED 004 778-021
75 614 119	4RP 008 189-001	031060	2AA 713 628-021	Ikarus Hella		2525 487	6EG 001 567-041
75 614 120	4RP 008 189-011	031061	9XT 713 630-691	70003-12001	6GM 500 212-002	2525 487	6EG 001 567-042
75 614 121	4RP 008 189-051	031107	6GM 007 832-211	70003-38001	9BP 501 238-002	2562 676	4DW 003 390-051
75 614 184	4RP 008 189-041	031115	9XT 740 763-511	70003-38011	9BP 501 238-012	0256 4011	8KV 002 127-003
75 614 185	4RP 009 118-001	031203	6RH 007 832-491	70003-46801	8SB 501 246-803	0256 4011	8KV 002 127-007
75 614 187	4RP 008 189-061	5011800031	6JF 001 571-001	70003-46811	8SB 501 246-812	2601417	8SB 003 290-001
75 614 188	4RP 008 189-061	5011800031	6JF 001 571-002	70003-46821	8SB 501 246-822	261 2573KZ5508-29	9EY 120 010-001
75 614 189	4RP 008 189-101	5041800009	8KV 002 127-003	70003-47811	8SB 501 247-812	262 8194	9MX 560 096-002
76 100 002	8ES 006 658-001	5041800009	8KV 002 136-001	70004-01005	3PB 005 411-001	0335 80198	6EG 001 567-011
79 381 047	8SB 003 614-001	5041800009	8JB 001 940-001	70004-04905	6JF 001 571-041	3358 0201	6JF 001 571-001
79 381 049	8SB 003 609-061	5041810014	9FF 713 627-001	70004-04905	6JF 001 571-042	3358 0201	6JF 001 571-002
79 381 077	8SB 501 273-001	797238	6GM 004 570-221	70004-05264	8KW 048 056-033	3416 568	6DD 001 551-011
79 381 086	8SB 501 137-031	910020	6GM 004 570-227	70004-05265	8KW 701 235-033	3416 568	6DD 001 551-017
79 382 029	9EY 120 010-001	910020	6EH 004 570-621	70004-05266	8KW 701 235-034	3430 118	6FG 002 312-001
79 382 041	9EY 117 124-001	910022	9XT 713 630-751	70004-05266	8KW 044 029-003	3430 118	6FG 002 312-002
79 382 051	9MX 561 449-001	910023	8JA 715 600-001	70004-05267	8KW 044 029-004	0343 1319	6EK 001 559-001
79 382 104	9EY 120 010-001	910024	8JA 713 631-001	70004-05268	8KW 044 031-003	0343 1319	6EK 001 559-007
79 382 182	9EY 561 814-001	910025	8JA 713 631-007	70004-05268	8KW 044 030-003	3471 537	8HS 071 415-001
79 382 183	9MX 561 890-001	910025	8KW 044 040-003	70004-05268	8KW 044 030-004	0347 1537EY5101-80	8HS 071 415-001
79 382 230	9MX 564 214-012	910073	8KW 044 040-004	70004-05275	8KW 044 038-003	3505 451	6JF 001 571-041
79 382 231	9MX 564 215-012	910073	8KW 044 040-004	70004-05284	8KW 044 026-003	3505 451	6JF 001 571-042
79 382 531	9MX 560 096-002	910080	8JA 007 024-001	70004-05284	8KW 045 145-003	0380 0888	8JB 001 935-001
79 382 531	9MX 561 891-001	Hueco Hella		70004-05284	8KW 045 145-004	3848 2411	8JS 071 414-001
79 382 551	9MX 561 449-001	132000	4RP 008 189-001	70004-05285	8KW 044 027-003	4162 4870	6ZE 001 759-071
90 940 010/01	8PD 003 798-001	132001	4RP 008 189-011	70004-05285	8KW 044 027-004	4162 5860	8JA 005 952-001
90 940010/66	8PD 003 798-001	132011	4RP 008 189-041	70004-05286	8KW 044 039-003	4162 7772	4JA 005 355-001
90 942 040	8PE 002 006-001	132014	4RP 008 189-051	70004-05286	8KW 044 039-004	4173 036	6EJ 001 569-001
90 942 041	8PE 713 576-021	132020	4RP 008 189-061	70004-05293	8KW 044 032-003	4173 0361	6EJ 001 569-001
90 945 340	8PE 713 576-011	132021	4RP 008 189-071	70004-05293	8KW 044 032-004	4173 0537	4AZ 003 787-021
91 970 017	8PD 006 541-001	132022	4RP 008 189-081	70004-05296	8KW 044 022-003	4182 2266	9SK 702 331-071
91 970 304	8PD 006 542-001	132023	4RP 008 189-091	70004-05296	8KW 044 022-004	4200 5935	5WG 002 450-291
95 942 165	8PE 863 807-001	132025	4RP 008 189-101	70004-05556	8KW 044 023-003	4200 5935	5WG 002 450-297
95 980 723	8PD 007 216-001	132030	4RV 008 188-001	70004-05556	8KW 044 023-004	4201 3486	4AZ 001 879-051
98 980 549	8PD 007 216-001	132031	4RV 008 188-011	70004-07221	6ZF 007 239-001	4202 5893	8KV 002 136-011
A0 086 978	6NM 007 878-501	132032	4RV 008 188-021	70004-07233	8KW 705 393-003	4204 6130	3BA 002 768-431
A0 087 299	6NM 007 878-041	132033	4RV 008 188-031	70004-07			



Manufacturer's no. / Hella no.

Cross-Reference

Iveco	Hella	Jäger	Hella	Jungheinrich	Hella	Jungheinrich	Hella
4208 0295	6ZE 001 759-061	85035661	9GD 735 641-001	14087580	8JA 001 916-001	50038905	8ES 006 658-001
4208 0296	3AG 003 399-101	Jaguar	Hella	14436610	6HH 004 570-451	50043924	8XY 007 022-001
4220 9371	8SB 003 978-001	78400004	8JA 001 918-011	14436620	9XT 713 630-391	50051744	8JA 002 262-001
4220 9371	9EY 125 314-001	Jokon	Hella	14439260	6ED 001 563-001	50051744	8JA 002 262-002
422 09394	9EY 125 314-001	40.0001.020	8JA 001 930-003	14439260	6ED 001 563-003	50051744	8JA 002 262-003
422 09401	8SB 003 978-041	40.0003.000	8JA 005 476-001	14439260	6ED 001 563-004	50052657	8JB 004 777-001
4230 7679	6JF 001 572-001	40.1001.000	8JA 001 930-031	14465020	6BA 001 539-001	50052657	8JB 004 777-002
4232 2736	8WV 115 095-001	40.1001.050	8JB 001 943-041	14465020	6BA 001 539-007	50060117	8EV 003 361-011
4232 2736 EE5763-76	8WV 115 095-001	41.0001.000	8JA 001 918-002	14465050	8HG 713 626-001	50129345	8JS 711 683-002
4232 8124	9GD 853 918-006	41.1001.100	8JA 003 831-001	14465060	2AA 713 628-001	50131934	8KV 002 144-031
4248 9073	8JB 001 943-001	42.0001.000	8JB 001 943-003	14465070	9XT 714 300-141	50149438	8KX 091 451-031
4248 9073	8JB 001 943-002	42.0002.000	8JB 001 943-011	14465080	9XT 713 630-011	50149438	8KX 091 451-032
4248 9073	8JB 001 943-003	42.0004.000	8JB 001 939-001	14465090	6RH 004 570-401	50149958	8JB 001 946-021
4255 5534	3BA 002 768-651	42.1001.000	8JB 001 943-041	14465100	9XT 713 630-301	50149958	8JB 001 946-022
4256 1002	4AZ 001 879-051	43.0001.010	8JB 001 941-002	14465110	9FF 713 627-001	50205815	8JA 703 947-011
4256 1179	3SB 004 438-155	43.0003.100	8JB 003 833-001	14476700	9HB 713 629-001	50223187	8KV 004 418-004
432 5557KZ1024-67	8SB 002 997-001	45.0001.000	8JA 005 951-001	14518360	6EH 004 570-021	50260000	9GH 993 984-001
4408 159	9GD 853 490-001	45.1002.000	8JA 005 952-011	14518360	6EH 004 570-027	50260000	9GH 993 984-007
4408 159	9GD 853 490-007	46.0001.000	8JB 005 949-001	00014607	9SL 704 558-007	50297318	6EJ 996 067-631
0469 75	6EK 001 559-001	46.0009.000	8HG 005 953-001	1471390	6RH 004 570-191	50423350	6FH 007 832-151
0469 75	6EK 001 559-007	50.1002.000	8JA 005 952-001	14731950	8HG 716 734-001	50423353	6RH 007 832-461
0477 6225	8TW 004 764-021	59.0201.050	8KL 712 986-001	14731950	8HG 716 734-007	50423353	6RH 007 832-467
0477 6226	8TW 004 764-041	59.0201.100	8KL 712 986-001	14731970	8JA 715 600-001	50423378	6HH 007 832-297
0479 2112	4RV 008 188-091	59.0201.250	8KL 712 986-001	14737820	9XT 713 630-421	50423738	9FF 713 627-011
5000 953754	8TW 004 764-041	59.0401.050	8KL 712 987-001	14739330	9XT 713 630-021	50423739	8JA 715 600-001
5002 59062	8HG 713 626-001	59.0401.100	8KL 712 987-001	14739340	9XT 713 630-011	50423740	8JA 713 631-001
5031 37985	5WD 003 547-071	59.0401.250	8KL 712 987-001	14739820	6RH 004 570-311	50423740	8JA 713 631-007
7826 92	8JA 003 831-001	59.0402.050	8KL 712 988-001	14739830	9XT 713 630-121	50423741	8HG 716 734-001
7827 27	8JA 003 832-001	59.0402.100	8KL 712 988-001	14739980	9XT 713 630-201	50423741	8HG 716 734-007
0816 8785	8JA 003 526-001	59.0402.250	8KL 712 988-001	14739980	9XT 713 630-221	50423743	9XT 713 630-311
0816 8785	8JA 003 526-002	59.0601.050	8KL 712 989-001	16025860	2AA 713 628-011	50423745	9XT 714 300-141
8600 3144	8SB 003 978-001	59.0601.100	8KL 712 989-001	16095830	9XT 713 630-251	50423746	9XT 713 630-391
8963 441	8KV 002 145-031	59.0601.250	8KL 712 989-001	16095840	9XT 713 630-531	51004920	8KX 091 451-032
9316 66	3PA 004 206-031	59.0701.050	8KL 715 435-001	16130680	9XT 714 300-011	51007822	6FH 007 832-121
9384 984	8TW 004 764-041	59.0701.100	8KL 715 435-001	16130680	9XT 714 300-021	51007822	6FH 007 832-127
9710 3573	4AZ 001 879-051	59.0701.250	8KL 715 435-001	16231380	4AZ 001 879-051	51024959	8JB 001 943-011
9944 6034	3SB 004 438-155	59.0702.050	8KL 712 997-001	00023044	8SB 002 997-001	51039549	8JB 008 023-001
BH76 64	6JF 001 572-001	59.0702.100	8KL 712 997-001	26916036	8JD 002 289-001	51076136	8JB 008 023-001
Jäger	Hella	59.0702.200	8KL 712 997-001	26918768	8SB 002 997-001	51081505	5HE 996 152-131
13400002	8JA 005 952-041	61.0001.001	8JA 002 252-103	27827700	8SB 002 407-001	51081906	9GD 735 641-001
13400027	8JA 005 952-001	61.0001.005	8JA 002 252-102	28300310	3BA 002 768-001	51084965	4RA 007 813-011
15400001	8KA 007 648-031	61.0002.001	8JA 007 589-001	28303460	6HF 001 579-052	51084965	4RA 007 813-017
15400002	8KA 007 648-051	61.0015.001	8JB 004 777-001	28306500	3BA 002 768-771	51084979	4RD 007 814-011
15400010	8KA 007 648-011	Journee	Hella	28402490	8JB 001 941-001	51084979	4RD 007 814-017
15400015	8KA 007 648-041	102	9XW 858 790-801	28402490	8JB 001 941-002	51095981	8WB 003 248-001
34400001	8KA 004 797-071	107	9XW 861 934-801	28402670	8KW 044 022-003	51095981	8WB 003 248-007
34400002	8KA 004 797-081	17	9XW 857 505-801	28402670	8KW 044 022-004	51096967	8JS 728 595-071
34400003	8KA 004 797-101	18	9XW 860 653-001	28408120	8KV 002 133-001	51113392	4DM 009 492-001
34400004	8KA 004 797-111	19	9XW 860 648-801	28410110	8KW 044 036-003	52011042	6JK 007 232-001
34400007	8KA 004 797-071	21	9XW 857 510-801	28410110	8KW 044 036-004	52012360	9HB 713 629-001
34400008	8KA 004 797-081	22	9XW 860 654-001	28415600	8KW 708 373-003	52027388	4RA 007 793-031
36400014	8KA 002 185-061	23	9XW 857 509-801	28415600	8KW 708 373-004	52027388	4RA 007 793-037
36400016	8KA 004 797-021	23	9XW 857 510-801	28417830	8KW 708 374-003	52028189	8XY 004 717-001
54400001	8JB 001 933-031	23	9XW 857 511-801	28417830	8KW 708 374-004	52032244	8EV 003 361-001
54400002	8JA 001 920-011	27	9XW 860 655-001	28500070	8JD 002 288-001	71313410	9SL 706 729-011
54400002	8JB 001 944-011	28	9XW 857 512-801	28500160	8JD 002 294-011	71344040	6EK 002 843-001
55400001	8JB 007 645-031	28	9XW 857 512-801	28501770	8JS 091 603-003	71344040	6EK 002 843-003
55400002	8JB 007 242-011	29	9XW 857 513-001	28508040	8JD 002 289-081	71344040	6EK 002 843-007
55400004	8HG 007 647-001	29	9XW 860 656-001	28516170	8KV 002 127-003	08300030	3BA 002 768-771
55400006	8JB 007 645-021	29	9XW 860 657-001	28516170	8KV 002 127-007	0830415	4AZ 001 879-051
55400010	8JB 007 242-021	30	9XW 857 513-801	28517640	8JS 704 073-003	0840812	8KV 002 133-001
62400001	8JA 008 981-001	32	9XW 860 657-001	440042148	6BB 001 540-001	0850133	8JD 002 289-011
62400002	8JA 005 952-061	33	9XW 857 514-801	440072635	8SB 002 407-001	0850133	8JD 002 289-013
62930000	8JA 008 969-001	33	9XW 860 660-801	440072635	8SB 002 407-011	0850422	6BG 001 545-001
63251005	8JA 002 263-001	37	9XW 857 515-801	440073838	8HG 713 626-001	Karmann	Hella
63251005	8JA 002 263-031	39	9XW 857 516-801	440073840	6HH 004 570-451	431254	8TZ 007 828-481
63251010	8JA 001 920-011	45	9XW 860 645-801	440073841	9XT 713 630-391	522126	8WV 115 095-001
64400001	8JA 007 644-051	47	9XW 858 084-001	440073842	6RH 004 570-401	522641	8TZ 007 828-401
64400002	8JA 007 241-021	50	9XW 860 652-001	440073843	9XT 713 630-301	803655	6EH 004 406-032
64400005	8JA 007 644-041	PA NA	9XW 857 512-801	440073851	9FF 713 627-001	816 220	6EH 003 268-001
64400006	8JA 007 644-041	PA NB	9XW 857 510-801	440074545	4AZ 003 787-001	824 311	9XS 091 200-007
64400013	8JA 007 241-031	PA NC	9XW 857 509-801	440075511	6HF 001 579-061	824 421	6ED 001 564-001
64400014	8JA 007 241-031	PA NJ	9XW 857 514-801	440075513	4AZ 003 787-021	Kässbohrer	Hella
71400010	8JA 005 951-001	PA NJC168	9XW 857 513-801	440075608	6EH 004 570-021	7.231.343.000.0	8JA 005 951-001
71400011	8JA 005 951-003	S12	9XW 862 066-801	440075608	6EH 004 570-027	7.231.343.000.0	8JA 005 951-003
72400004	8JB 005 949-011	S16	9XW 859 865-801	440075997	9HB 713 629-001	7.235.138.000.0	8JB 005 949-001
72400008	8JB 005 949-001	S20	9XW 859 308-801	44075608	6EH 004 570-021	7.311.185.000.0	6EJ 001 569-001
72400014	8HG 005 953-001	XS 076	8XY 004 729-001	44075608	6EH 004 570-027	7.312.007.000.0	6ED 004 778-021
73400003	8JA 003 831-001	XS 164	8XY 004 723-001	50002660	4AZ 001 879-051	7.312.020.000.0	6ED 004 778-001
73400004	8JA 003 832-001	XS 177	8XY 005 067-001	50013006	6HF 001 579-061	7.315.130.000.0	6ZF 004 365-011
74400004	8JB 008 085-001	XS 202	8XY 004 721-001	50013006	8KW 045 145-003	7.331.122.001.0	8JA 713 631-001
74400006	8JB 008 085-021	XS 233	8XY 004 725-001	50013006	8KW 045 145-004	7.331.122.001.0	8JA 713 631-007
74400013	8JB 008 085-021	XS 256	8XY 004 718-001	50013029	8JA 001 926-001	7.332.022.000.0	6TA 003 394-011
78400004	8JA 001 918-011	XS 267	8XY 004 716-001	50019939	8EV 003 361-011	7.332.022.000.0	6TA 003 394-017
78400005	8JA 001 918-002	XS 267	8XY 004 717-001	50025504	8JS 711 684-002	7.371 074 000	4DW 003 944-051
78400006	8JA 001 930-041	XS 291	8XY 004 715-001	50025505	8JS 711 687-002	7.371.083.000	4DM 004 639-061
78400006	8JA 005 476-002	XS 291	8XY 006 369-001	50025505	8JS 711 687-007	7.371.083.000	4DM 004 639-067
78400007	8JA 001 930-003	XS 421	8XY 004 721-001	50030507	6JB 003 959-031	7.371.083.000.0	4DM 004 639-061
78400007	8JA 005 476-002	XS 429	8XY 004 725-001	50031560	8JS 711 688-002	7.371.083.000.0	4DM 004 639-067
78400008	8JA 001 930-031	XS 431	8XY 004 715-001	50031916	8JS 711 686-002	7.371.084.000	4JA 005 355-001
80400004	8JB 001 943-003	XS 431	8XY 006 369-001	50031916	8JS 711 686-007	7.371.088.000.0	4DM 003 460-021
80400008	8JB 001 941-002	XS 434	8XY 004 720-001	50034777	6HF 002 372-041	7.371.089.000.0	4DW 004 513-001
80400013	8JB 001 943-041	XS 434	8XY				

Manufacturer's no. / Hella no.
Cross-Reference



Kässbohrer	Hella	Kramer	Hella	Kromberg	Hella	Krone	Hella
7.371.091.000.0	4AZ 003 787-021	56195	8JB 001 939-001	054497	8JB 001 934-001	0302804/0	8KX 707 913-001
7.375.155.000	4RV 008 188-021	56195	8JB 001 939-002	055553	8JA 500 431-002	0302805/0	6GM 007 832-191
7.375.159.100.0	4RV 008 188-001	56199	8JB 002 281-001	060162	9GD 853 918-006	0302805/0	6GM 007 832-197
7.517.134.012.0	9GH 993 984-001	56199	8JB 002 281-002	061397	8JA 715 606-001	0302807/0	6ZF 003 549-021
7.517.134.012.0	9GH 993 984-007	56200	8JB 003 833-001	062852	4DB 003 750-711	0302991/0	4DW 003 390-051
7.711.119.000.0	3AF 003 399-071	56203	8JD 002 289-011	070969	8JA 003 526-002	3031210	8JD 008 151-011
7.711.120.000	3AF 003 399-061	56203	8JD 002 289-013	077488	8JB 004 123-001	3031300	8KW 044 277-003
7.711.130.000.0	3CA 004 811-001	56208	8JS 704 073-003	083068	8JA 003 526-002	0303140/0	9XT 713 630-011
7.711.130.000.0	3CA 004 811-021	56209	8JS 025 889-003	083095	8JB 008 085-001	0303198/0	0303188-002
7.711.131.000.0	3CA 004 811-031	56210	8JS 089 015-003	087873	8JB 001 941-002	0303201/0	8JS 711 689-002
7.711.257.000	3SB 004 438-155	56211	8JS 091 603-003	087873	9GH 993 984-001	0303353/0	9XT 713 630-711
7.711.257.000.0	3SB 004 438-155	56213	8JS 085 002	087873	9GH 993 984-007	3033550	9XT 713 630-421
7.731.000.223	9GD 853 918-006	56218	8KV 002 127-021	088136	8JB 001 941-001	3033590	6RH 007 832-461
7.731.000.234.0	9XD 856 165-005	56228	8KW 044 022-003	088137	8JA 001 918-002	3033590	6RH 007 832-467
7.731.212.000.0	8BW 003 966-007	56228	8KW 044 022-004	088141	8JA 003 526-001	3033600	6RH 007 832-381
7.731.213.000.0	8BW 003 966-037	56229	8KW 044 023-003	089129	6ZF 003 549-001	0303463/0	8JA 003 526-001
7.731.214.000.0	8BW 003 966-047	56229	8KW 044 023-004	Krone		0303463/0	8JA 003 526-002
8.688.074.000.0	8SB 501 081-082	56234	8KW 044 030-003	Hella		3037540	8KW 044 276-003
8.919.926.285.4	9MX 563 468-002	56234	8KW 044 030-004	14405002	8JB 003 833-001	3037540	8KW 044 276-004
8.919.928.230.4	8KA 500 218-002	56235	8KW 044 031-003	200802680	8KW 744 772-003	3037560	8KW 044 038-003
8.919.928.281.4	9BP 501 238-012	56236	8KW 044 032-003	200805560	8JS 711 683-011	0303769/0	5HE 996 152-131
8.919.931.924.4	8SB 501 311-812	56236	8KW 044 032-004	200805810	6RH 008 910-011	3037860	8JS 713 575-001
8.919.931.925.4	8SB 501 247-803	56239	8KW 044 036-003	200805820	6EH 004 570-011	0305040-0	6GM 007 832-251
8.933.741.300	6FG 002 312-001	56239	8KW 044 036-004	200805930	8KV 004 418-004	03050540	8JD 008 152-021
8.933.741.300	6FG 002 312-002	56240	8KW 044 040-003	200808450	8JB 001 939-001	5806735/0	8JB 005 949-001
Kheops		56240	8KW 044 040-004	0229403/0	8BW 003 966-047	5806852/0	8JA 003 832-001
K7-5	8JB 001 941-002	56241	8KW 044 275-003	0301017/0	8JA 002 262-001	5806853/0	8JB 003 834-001
K7-50	8JB 003 833-001	56242	8KW 044 276-003	0301017/0	8JA 002 262-002	5807525/0	8PD 003 798-001
K7-51	8JA 003 831-001	56242	8KW 044 276-004	0301017/0	8JA 002 262-003	5808238/0	8JB 002 281-001
K7-6	8JA 001 918-002	56243	8KW 044 277-003	0301017/0	8KV 002 127-003	5808238/0	8JB 002 281-002
KP7-10	8JA 001 930-003	56244	8KW 044 288-003	0301042/0	8KV 002 127-007	5809698/0	8JA 002 264-001
KP7-9	8JB 001 943-003	56244	8KW 044 288-004	0301042/0	8KV 002 136-001	5809834/0	8JA 005 951-001
Kia		56245	8KW 045 145-003	0301042/0	8KV 002 136-011	5809834/0	8JA 005 951-003
ZK32567001	8KV 714 340-002	56245	8KW 045 145-004	0301043/0	8JS 089 015-003	5810174/0	8JB 001 943-041
ZK32567001	8KV 714 340-007	56246	8KW 048 056-033	0301667/0	8KW 044 029-003	5810175/0	8JA 001 930-031
ZK32567003	8JS 711 683-002	56247	8KW 700 143-003	0301667/0	8KW 044 029-004	5810348/0	8JD 002 294-011
Kirsten		56249	8KW 701 235-033	0301761/0	8JS 091 603-003	5820560/0	8JB 005 949-011
14 29 01 01	6ED 001 565-001	56249	8KW 701 235-034	0301827/0	8KW 044 291-003	5820560/0	8JB 005 949-012
22 32 20 32	8KV 002 133-001	56260	8KX 707 925-003	0301856/0	8JS 711 688-002	5820590/0	9GD 735 641-001
22 33 20 01	8KV 002 135-811	56350	8KW 044 291-003	0301856/0	8KV 714 340-002	5821576/0	8KV 004 418-821
35 01 00 00	8JD 002 288-001	56351	8KW 044 039-003	0301864/0	8KV 714 340-007	5821577/0	8JS 711 683-011
35 02 00 00	8JD 002 289-001	56351	8KW 044 039-004	0301864/0	8JS 711 684-002	05835410	4DN 008 768-021
35 24 00 00	8JD 002 294-001	56373	8KW 044 027-003	3019770	8JS 711 685-002	05835410	4DN 008 768-027
35 26 00 00	8JD 002 291-001	56373	8KW 044 027-004	0302074/0	8JS 711 687-002	6200645/0	8KW 044 036-003
35 28 00 00	8JD 002 290-001	56374	8KW 044 038-003	0302076/0	8JS 711 687-007	6200645/0	8KW 044 036-004
36 04 05 00	8KV 002 136-001	56378	8KW 705 392-003	0302076/0	9FF 713 627-001	6201047/0	8KW 715 923-003
36 04 08 00	8KV 002 127-003	56380	8KW 043 630-013	0302107/0	8JS 711 686-002	0922670/0	8HS 071 414-001
36 04 16 00	8KV 002 127-021	56380	8KW 043 630-014	0302194/0	8JS 711 686-007	0924514/0	8KV 002 132-001
36 04 25 00	8KV 002 127-011	56383	8KW 702 796-003	0302194/0	8JS 711 686-007	0924514/0	8KV 002 133-001
39 01 20 00	6ZF 003 549-001	56444	8KV 002 132-001	3021960	8JS 711 690-002	0924570/0	8JB 001 941-001
39 02 00 00	6ZF 003 549-021	56449	8JS 711 686-002	3021960	8JS 711 690-007	0924570/0	8JB 001 941-002
50 05 29 03	6HF 001 579-011	56449	8JS 711 686-007	0302229/0	9SL 042 991-001	0924572/0	8JB 003 833-001
Kostal		56452	8JA 003 832-001	0302277/0	8KW 044 027-003	0924576/0	8JA 001 918-002
04 71 20 70	6BB 001 540-001	56453	8JB 003 834-001	0302277/0	8KW 044 027-004	0924578/0	8JA 003 831-001
04 84 39 00	6LB 005 389-001	56463	8KW 044 280-003	0302349/0	8KV 705 123-002	0924579/0	8JA 002 263-001
Kramer		56463	8KW 044 280-004	0302349/0	8KV 705 123-004	0924580/0	8JB 001 933-031
1000000457	6BA 001 539-001	56472	8JS 711 689-002	0302506/0	6GM 004 570-211	0924581/0	8JA 001 925-001
1000000457	6BA 001 539-007	56478	8JB 001 941-001	3025061	6GM 004 570-211	0924615/0	8KW 705 393-003
1000027147	8HG 714 504-001	56478	8JB 001 941-002	0302507/0	6GM 004 570-061	0924615/0	8KL 712 987-001
1000031307	8HL 707 877-032	56489	8KV 004 418-004	0302507/0	6GM 004 570-067	0924668/0	8KW 044 280-003
1000050022	8KW 048 056-033	58107	8KL 712 947-001	0302508/0	6EK 001 559-001	0924668/0	8KW 044 280-004
1000085683	8JS 711 687-002	58107	8KL 712 947-002	0302508/0	6EK 001 559-007	0924689/0	8KW 700 143-003
1000085683	8JS 711 687-007	58107	8KL 712 949-001	0302508/0	6EK 001 559-011	0924694/0	8KW 044 036-003
1000105125	8JB 005 949-001	58155	8KL 712 949-002	0302521/0	6EH 007 832-041	0924694/0	8KW 044 036-004
1000105126	8JA 005 951-001	58155	8KL 712 975-001	0302524/0	6EH 007 832-021	0924695/0	8KW 044 022-003
1000105126	8JA 005 951-003	7 571 646 042	8KL 712 975-002	0302524/0	6EH 007 832-022	0924695/0	8KW 044 022-004
100 010 51 46	5WG 003 620-081	7 577 642 040	8KW 043 630-013	0302524/0	6HH 007 832-321	0924696/0	8KW 044 023-003
100 010 51 46	5WG 003 620-087	7 577 642 040	8KW 043 630-014	0302526/0	6FH 007 832-101	0924696/0	8KW 044 023-004
1000147066	8JB 004 123-012	7729703004	8KL 712 949-001	0302526/0	6FH 007 832-107	9247000	8KW 044 029-003
1000148114	9GH 993 984-001	7729703004	8KL 712 949-002	0302649/0	8EZ 008 021-001	0924701/0	8KW 705 392-003
1000148114	9GH 993 984-007	7729705004	8KL 712 946-001	0302649/0	8EZ 008 021-002	0928687/0	8KW 044 033-002
1000154182	6GM 500 212-012	7729705004	8KL 712 946-002	0302650/0	3SL 996 139-001	0928687/0	8KW 044 033-004
1000175232	6ZF 007 239-001	7 729 706 004	8KL 712 950-001	0302652/0	2AA 713 628-001	9305016	8KW 044 023-003
27437	6EK 002 843-001	7 729 706 004	8KL 712 950-002	0302653/0	9HB 713 629-001	9305016	8KW 044 023-004
27437	6EK 002 843-003	7 729 708 004	8KL 712 943-001	0302654/0	8JA 715 600-001	0944031/0	8KW 044 028-003
27437	6EK 002 843-007	7 729 708 004	8KL 712 943-002	0302655/0	8JA 713 631-001	0944031/0	8KW 044 028-004
000 332 18 05	3BA 002 768-082	7733661604	8JS 711 685-002	0302655/0	8JA 713 631-007	0944032/0	8KW 044 027-003
000 333 05 18	6BA 001 539-001	7733661605	8JS 711 686-002	0302656/0	6JK 007 232-001	0944032/0	8KW 044 027-004
000 333 05 18	6BA 001 539-007	7733661605	8JS 711 686-007	0302657/0	8KW 701 235-033	0944033/0	8KW 044 282-003
000 333 22 10	8JB 005 949-001	7733661606	8JS 711 687-002	0302657/0	8KW 701 235-034	0944034/0	8KW 044 039-003
000 333 59 11	8JS 711 685-002	7733661606	8JS 711 687-007	0302659/0	9XT 713 630-001	0944034/0	8KW 044 039-004
000 333 68 11	8JA 002 263-001	000 993 19 20	8KX 707 913-011	0302660/0	9XT 713 630-031	0944035/0	8KW 044 030-003
000 333 96 08	6EK 002 843-001	000 993 20 20	8KX 707 913-001	0302661/0	9XT 713 630-021	0944041/0	8HS 071 414-001
000 333 96 08	6EK 002 843-003	Kromberg		0302662/0	9XT 714 300-011	0944042/0	8HS 071 415-001
000 334 00 31	6EK 002 843-007	Hella		0302676/0	8KX 707 917-031	0944048/0	8KV 002 137-001
0004140001	8WB 003 248-001	1810	9MJ 707 869-013	0302688/0	8KW 708 373-003	0944049/0	8KV 002 127-021
0004140001	8WB 003 248-007	1810	9MJ 707 871-013	0302688/0	8KW 708 373-004	0944050/0	8KX 091 451-031
0004330155	8EZ 008 021-001	1810	9MJ 707 873-013	0302689/0	8KW 708 374-003	0944050/0	8KX 091 451-032
0004330155	8EZ 008 021-002	1810	9MJ 707 874-013	0302689/0	8KW 708 374-004	0944051/0	8KX 043 021-031
561183	8JA 003 831-001	1810	9MJ 707 875-013	0302690/0	8JA 007 158-001	0944051/0	8KX 043 021-032
56173	8HS 071 414-001	030076	8JD 005 993-032	0302690/0	8JA 007 158-003	0944052/0	8JS 025 889-003
56188	8JA 001 925-001	033908	4AZ 003 787-001				



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Cross-Reference

Krone	Hella	Liebherr	Hella	Liebherr	Hella	Liebherr	Hella
0944055/0	8JS 711 685-002	1 028 843 8	3SL 996 139-202	6 040 016 08	8JS 089 015-003	6 060 205 08	6JF 001 571-002
0944056/0	8JS 711 686-002	1 028 928 5	5DS 008 125-011	6 040 016 14	8JS 089 015-003	6 060 206	6ZF 003 549-021
0944056/0	8JS 711 686-007	1 029 688 4	8JB 001 946-082	6 040 017	8JS 091 603-003	6 060 207	6ZF 004 229-011
0944057/0	8JS 711 687-002	1 035 161 4	8JA 004 667-001	6 040 017 08	8JS 091 603-003	6 060 254	6EK 001 559-001
0944057/0	8JS 711 687-007	1 035 632 9	8TW 007 540-231	6 040 069 08	8JS 711 684-002	6 060 254	6EK 001 559-007
0944058/0	8JS 711 688-002	1 047 597 2	6EJ 996 067-631	6 040 070 08	8JS 711 685-002	6 060 254 08	6EK 001 559-001
0944059/0	8JS 089 015-003	1 047 597 5	6GM 500 212-002	6 040 071 08	8JS 711 686-002	6 060 254 08	6EK 001 559-007
0944060/0	8JS 091 603-003	1 047 623 5	5WG 002 450-311	6 040 071 08	8JS 711 686-007	6 060 254 77	6EK 001 559-001
944081	8KW 044 277-003	1 047 623 5	5WG 002 450-317	6 040 072 08	8JS 711 687-002	6 060 254 77	6EK 001 559-007
0944081/0	8KW 044 277-003	1 065 180 4	6ED 004 778-011	6 040 072 08	8JS 711 687-007	6 060 709 08	6EK 001 559-001
0944082/0	8KW 044 031-003	1 066 405 7	8JS 728 596-081	6 040 073 08	8JS 711 688-002	6 060 709 08	6EK 001 559-007
0944117/0	8JB 001 939-001	1 066 405 8	8JS 728 596-077	6 040 074 08	8JS 711 690-002	6 061 962 08	5WG 002 450-281
0944117/0	8JB 001 939-002	1 067 552 5	3AF 003 399-061	6 040 074 08	8JS 711 690-007	6 061 962 08	5WG 002 450-287
0944118/0	8JB 001 944-011	1 067 804 7	8JS 728 596-027	6 040 076 08	8JS 711 689-002	6 061 966 08	6ED 001 563-001
0944120/0	8KV 705 123-002	1 067 804 8	8JS 728 596-037	6 040 077 08	8JS 711 683-002	6 061 966 08	6ED 001 563-003
0944120/0	8KV 705 123-004	1 067 804 9	8JS 728 596-047	6 040 077 08	8JS 711 685-002	6 061 966 08	6ED 001 563-004
0944121/0	8KV 002 132-001	1 067 805 0	8JS 728 596-091	6 041 052 14	8JS 711 683-002	6 061 968 808	6ED 004 778-031
0944123/0	8KW 044 033-002	1 080 092 7	8KW 054 943-003	6 041 053 14	8JS 711 684-002	6 071 106	4DW 003 944-051
0944123/0	8KW 044 033-004	1 080 197 4	8JS 728 596-017	6 041 054 14	8JS 711 685-002	6 071 106 08	4DW 003 944-051
0944124/0	8KW 044 035-003	1 832 50	8JA 002 262-001	6 041 055 14	8JS 711 686-002	6 072 246 08	8HG 851 387-007
0944125/0	8KW 044 025-003	1 832 50	8JA 002 262-002	6 041 055 14	8JS 711 686-007	6 072 278 08	9GD 853 918-006
0944126/0	8KW 044 288-003	1 832 50	8JA 002 262-003	6 041 056 14	8JS 711 687-002	6 072 279 08	9GT 960 380-005
0944126/0	8KW 044 288-004	2 023 096	8KW 044 030-003	6 041 056 14	8JS 711 687-007	6 104 089 08	8EV 003 361-011
0944127/0	8KW 708 374-003	2 023 096	8KW 044 030-004	6 045 011 14	8JD 002 290-001	610408914	8EV 003 361-011
0944127/0	8KW 708 374-004	4 001 911	8JB 003 833-001	6 045 013 14	8JD 002 291-001	6 104 890 8	8EV 003 361-011
0944128/0	8KW 044 291-003	4 015 00	6HF 001 579-157	6 045 015	8JD 002 289-001	6 132 014 14	8KX 707 911-011
0944129/0	8KW 044 276-003	5 008 914	8JA 007 024-001	6 045 016 08	8JD 005 993-051	613201708	8KX 091 451-031
0944129/0	8KW 044 276-004	5 705 203 77	6ZF 003 549-001	6 045 017 08	8JA 007 024-001	613201708	8KX 091 451-032
0944130/0	8KW 044 032-003	5 801 680	8TW 005 496-051	6 045 239 14	9XS 091 200-007	6 132 018 08	8KX 091 450-031
0944130/0	8KW 044 032-004	5 910 553 08	8BW 857 850-005	6 050 000	8JA 002 262-001	6 132 018 08	8KX 091 450-032
0944131/0	8KW 701 235-033	5 910 554 08	8TW 005 496-051	6 050 000	8JA 002 262-002	613201908	8KX 043 021-031
0944131/0	8KW 701 235-034	5 910 555 08	9GD 853 918-006	6 050 000	8JA 002 262-003	613201908	8KX 043 021-032
0944133/0	8KW 048 056-033	5 910 804 08	8BW 003 966-007	6 050 006 08	8JA 005 951-001	613203014	8KX 707 911-001
0944133/0	8KW 048 056-033	5 910 804 08	8BW 003 966-037	6 050 006 08	8JA 005 951-003	613203014	8KX 707 911-001
0944134/0	8KW 044 026-003	5 910 804 08	8BW 003 966-067	6 050 025	8JB 001 944-011	6 132 032 01	8KX 707 911-001
		5 915 519 08	8HG 002 211-001	6 050 027 08	8JA 001 918-002	6 132 033 01	8KX 707 911-011
		5 915 945 14	8SB 501 081-031	6 050 029 08	8JA 001 925-001	614001208	3AG 003 399-101
		6 000 050	8KW 044 023-003	6 050 049 08	8JA 002 263-001	6 140 018 08	6ZE 001 759-051
		6 000 050	8KW 044 023-004	6 050 049 08	8JA 002 263-031	6 140 019 08	6ED 004 778-021
		6 000 316	8KW 044 022-003	6 050 056 08	8JA 001 930-001	6 140 032	3BA 002 768-431
		6 000 316	8KW 044 022-004	6 050 056 08	8JA 001 930-002	6 140 032	3BA 002 768-437
		6 000 316	8KW 701 235-033	6 050 056 08	8JA 001 930-003	614005408	3BA 002 768-382
		6 000 316	8KW 701 235-034	6 050 056 14	8JA 001 930-001	6 140 099 08	3SL 996 139-001
		6 000 559	8JB 001 939-001	6 050 056 14	8JA 001 930-002	6 140 461 14	3AG 003 399-101
		6 000 559	8JB 001 939-002	6 050 056 14	8JA 001 930-003	6200003	8JB 001 933-031
		6 000 755	4DM 003 474-001	6 050 057	8JA 002 262-001	6 200 009	8JS 089 015-003
		6 000 755	4DM 003 474-007	6 050 057	8JA 002 262-002	6200882	8KV 002 135-811
		6 000 870	8JD 002 290-141	6 050 057	8JA 002 262-003	6 200 907	8JA 003 526-001
		6 001 163	8KW 044 288-003	6 050 057 08	8JA 002 262-001	6 200 907	8JA 003 526-002
		6 001 163	8KW 044 288-004	6 050 057 08	8JA 002 262-002	6200909-	8KV 002 139-001
		6 001 171	8KW 044 034-003	6 050 057 08	8JA 002 262-003	6200909-	8KV 002 139-003
		6 001 171	8KW 044 034-004	6 050 057 14	8JA 002 262-001	6201082	8KV 002 127-003
		6 001 185	8JB 001 935-001	6 050 057 14	8JA 002 262-002	6201082	8KV 002 127-007
		6 001 427	5WA 001 871-051	6 050 057 14	8JA 002 262-003	6201252	8JD 002 291-011
		6 001 555 01	8KL 712 980-001	6 050 060 08	8JA 003 831-001	6201444	8JA 002 263-001
		6 001 555 01	8KL 712 980-002	6 050 083	8JA 001 925-001	6 202 284	8JA 003 526-001
		6 001 637	8JA 715 606-001	6 050 083 14	8JA 001 925-001	6 202 284	8JA 003 526-002
		6 001 959	8JA 005 951-001	6 050 093	8JB 002 286-021	6202387	3PA 004 206-011
		6 001 959	8JA 005 951-003	6 050 102 08	8JA 703 947-011	6 204 334	8KV 004 418-004
		6 001 963	8JB 004 777-001	6 050 154 01	8JA 003 832-001	6 204 593	3AG 003 399-101
		6 001 963	8JB 004 777-002	6 050 155 01	8JA 002 252-101	6 205 045	3AF 003 399-071
		6 002 222	8KW 702 796-003	6 050 155 01	8JA 002 252-102	6 301 051 08	4RA 007 957-001
		6 002 227	8KW 043 630-013	6 050 155 01	8JA 002 252-103	6 301 051 08	4RA 007 957-007
		6 002 227	8KW 043 630-014	6 050 156 01	8JA 007 241-031	6 301 054 08	4RD 007 903-001
		6 002 244	8KW 700 143-003	6 052 005	8JB 001 944-011	6 301 054 08	4RD 007 903-007
		6 002 290	8KW 045 145-003	6 052 008 08	8JB 005 949-011	6 301 102 08	4DW 004 513-001
		6 002 290	8KW 045 145-004	6 052 008 08	8JB 005 949-012	6 301 602 14	4RD 933 332-061
		6 002 352	8JB 001 946-011	6 052 028 01	8JB 001 941-001	6 301 918 01	8JA 003 526-001
		6 002 451	8KW 044 030-003	6 052 028 01	8JB 001 941-002	6 301 918 01	8JA 003 526-002
		6 002 451	8KW 044 030-004	6 052 028 08	8JB 001 941-001	6 427 470	3SL 996 139-001
		6 003 073	8JB 004 777-001	6 052 028 08	8JB 001 941-002	6 427 470 03	3SL 996 139-001
		6 003 073	8JB 004 777-002	6 052 030 08	8JB 001 933-031	6 905 414	8EV 003 361-001
		6 003 311	8JA 001 915-001	6 052 031 08	8JB 001 939-001	6 905 972	6JF 001 571-101
		6 004 216	6HD 002 535-111	6 052 031 08	8JB 001 939-002	691869214	8JA 001 916-001
		6 004 237	8JA 711 375-001	6 052 032 08	8JB 001 946-001	6 930 076 14	6ZF 003 549-001
		6 004 510 01	8KL 712 980-001	6 052 039 08	8JB 004 777-001	6 931 650 14	9GH 993 984-001
		6 004 510 01	8KL 712 980-002	6 052 039 08	8JB 004 777-002	6 931 650 14	9GH 993 984-007
		6 008 941 4	8KX 707 916-021	6 052 039 14	8JB 001 946-021	7 026 589	8JB 004 123-001
		6 014 018	8JS 704 073-003	6 052 039 14	8JB 001 946-022	7 026 589	8JB 004 123-002
		6 021 008	8KX 091 453-001	6 052 082 08	8JB 001 935-001	7 408 151	8JA 001 921-102
		6 021 047 08	9XS 091 200-007	6 052 082 77	8JB 001 935-001	7 412 090	9GD 853 918-006
		6 022 040 08	8KW 701 235-033	6 052 083 08	8JB 003 833-001	7 790 022 14	8SB 002 404-121
		6 022 040 08	8KW 701 235-034	6 052 092 08	8JB 002 281-001	7 790 022 14	8SB 002 404-131
		6 023 082	8KW 043 629-013	6 052 092 08	8JB 002 281-002	7 790 024	8SB 002 997-001
		6 023 094	8KW 044 277-003	6 052 093	8JB 002 286-021	7 790 024 14	8SB 002 997-001
		6 023 096	8KW 044 029-003	6 052 116 01	8JB 002 286-021	7 790 283 14	9BP 561 006-012
		6 023 096	8KW 044 030-003	6 052 163 01	8JB 003 834-001	7 790 285 14	6GM 500 212-002
		6 023 096	8KW 044 030-004	6 054 076 08	8EZ 008 022-011	0 790 135 3135	8KX 707 913-011
		6 023 096	8KW 044 030-004	6 056 239 01	8KW 701 235-033		
		6 023 391 08	8KW 054 944-003	6 056 239 01	8KW 701 235-034		
		6 027 355 08	8JS 713 575-001	6 060 090 08	4DM 004 639-061		
		6 027 355 08	9MK 741 492-001	6 060 090 08	4DM 004 639-067		
		6 040 013 08	8JS 091 603-003	6 060 118 08	4AZ 001 879-051		
		6 040 015 08	8JS 025 889-003	6 060 191 08	9GH 045 833-001		
		6 040 016	8JS 089 015-003	6 060 205 08	6JF 001 571-001		

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Littlefuse	Hella	Littlefuse	Hella	Magneti Marelli	Hella	MAN	Hella
152001.TN940	8JD 743 708-001	299080.TN000	8JS 728 595-191	710 30 785 230 9	6NM 004 375-311	81.63730.6219	8SB 501 137-031
152003.TN941	8JD 743 710-001	350418.TN000	8JD 005 993-021	REP 1A	4RV 008 188-081	81.63730.6220	8SB 501 156-021
152003.TN942	8JD 743 709-001	445003.LN000	8KV 003 285-801	MAN	Hella	81.63730.6221	8SB 501 156-031
152900.TN000	8JD 743 708-001	445006.LN000	8JD 743 557-011	152 00 77 0702	9MX 127 585-002	81.63730.6222	8SB 501 147-003
214005.LN000	8JS 704 073-003	445007.LN000	8JD 743 557-001	161 00 77 0701	9EY 117 126-014	81.63730.6222	8SB 501 147-021
214005.TN000	8JS 704 073-003	445008.LN000	8JD 743 557-021	33.25432.6019	8JB 003 833-001	81.63730.6312	9HB 562 837-022
214008.LN000	8JS 025 889-003	445009.LN000	8JD 743 557-031	36.25301-6001	3BA 002 768-431	81.63730.6314	8SB 501 325-002
214008.TN000	8JS 025 889-003	495020.TN000	8JS 740 026-401	36.25301-6001	3BA 002 768-437	81.63730.6320	9SV 562 829-002
214016.LN000	8JS 089 015-003	495030.TN000	8JS 740 026-411	36.25806-6007	5WG 002 450-281	81.63730.6321	8HS 563 390-002
214016.TN000	8JS 089 015-003	495040.TN000	8JS 740 026-421	36.25806-6007	5WG 002 450-287	81.63730.6345	8SB 354 504-011
214025.LN000	8JS 091 603-003	495050.TN000	8JS 740 026-431	36.25902-0007	4RD 007 903-001	81.63730.6347	8SB 354 504-021
214025.TN000	8JS 091 603-003	495060.TN000	8JS 740 026-441	36.28901.0000	8EZ 008 021-011	81.63730.6350	8SB 354 505-021
214040.LN000	8JS 713 144-003	498030.TN000	8JS 742 901-061	07.91201.0718	8KW 705 393-003	81.63730.6351	8SB 354 505-011
217001.TA000	8JS 713 549-003	498040.TN000	8JS 742 901-001	07.91201.5108	8KW 044 026-003	81.63730.6353	8SB 354 509-001
217001.TN000	8JS 713 549-003	498050.BN000	8JS 742 901-011	07.91211.0112	8KW 044 030-003	81637306377	8SB 002 991-001
217005.TA000	8JS 713 550-003	498060.TN000	8JS 742 901-021	07.91211.0112	8KW 044 030-004	81.63730.6395	8SB 354 504-011
217005.TN000	8JS 713 550-003	498070.TN000	8JS 742 901-031	07.91251.1018	8KW 044 032-003	81.63730.6399	8SB 354 504-021
217025.TA000	8JS 713 804-003	498080.BN000	8JS 742 901-041	07.91251.1018	8KW 044 032-004	81.63730.6409	8SB 354 505-011
257001.LN000	8JS 711 683-011	498100.TN000	8JS 742 901-051	07.91252.1018	8KW 044 288-003	81.63730.6410	8SB 354 505-021
257002.LN000	8JS 711 683-021	498125.TN000	8JS 740 901-071	07.91252.1018	8KW 044 288-004	81.63730.6415	8SB 354 509-001
257003.LN000	8JS 711 683-002	498150.TN000	8JS 742 901-081	07.91313.0212	8KV 002 133-001	81.63730.6430	8SB 354 504-011
257004.LN000	8JS 711 683-052	498900.TN000	8JD 743 136-001	07.91313.0501	9XS 091 200-007	81.63730.6432	8SB 354 504-021
257005.LN000	8JS 711 684-002	895020	8JS 740 026-731	81.25301.6042	3BA 002 768-382	81.63730.6443	8SB 354 505-011
257010.LN000	8JS 711 686-002	895025	8JS 740 026-741	81.25301.6044	3AF 003 399-071	81.63730.6444	8SB 354 505-021
257015.LN000	8JS 711 687-002	895030	8JS 740 026-751	81.25301.6045	3AF 003 399-061	81.63730.6450	8SB 354 509-001
257020.LN000	8JS 711 688-002	895040	8JS 740 026-761	81.25301.6048	3BA 002 768-082	81.63731.0232	9BP 561 006-012
257025.LN000	8JS 711 689-002	895050	8JS 740 026-771	81.25301.6074	3BA 002 768-082	81.63731.0248	9XD 562 800-052
257030.LN000	8JS 711 690-002	895060	8JS 740 026-781	81.25402.6625	8KA 560 271-002	81.63731-0257	8HG 561 108-002
257035.LN000	8JS 711 683-042	955050.HN000	8JS 713 575-021	81.25432.0034	8JB 001 946-031	81.63731.6134	8HG 561 107-001
257040.LN000	8JS 711 683-031	955080.HN000	8JS 713 575-001	81.25432.0075	8JB 001 946-021	81.63731.6281	9BP 501 238-002
25707.5LN000	8JS 711 685-002	M. & K.	Hella	81.25432.0075	8JB 001 946-022	81.63731.6304	9BP 561 138-052
293020.BN000	8JS 740 026-001	5.00008.000	8JS 025 889-003	81.25432-6198	8JB 007 242-021	81.63731-6414	8HG 503 019-012
293030.BN000	8JS 740 026-011	5.00016.000	8JS 089 015-003	81.25434.0017	8JD 002 289-011	81.63731-6416	8HG 503 019-022
293040.BN000	8JS 740 026-021	5.00025.000	8JS 091 603-003	81.25434.0017	8JD 002 289-013	81.63732.0054	9HB 863 835-001
293050.BN000	8JS 740 026-031	5.00730.900	8JB 004 123-001	81.25435.0005	8JA 002 263-001	81.63732.0055	9HB 863 836-001
293060.BN000	8JS 740 026-041	5.00731.000	8JA 002 252-103	81.25435.0040	8JA 001 915-001	81.63732.0056	9HB 863 840-001
293830.TN000	8JS 740 026-101	5.00731.000	8JA 004 667-001	81.25435.0045	8JA 715 606-001	81.63732.0057	9HB 863 839-001
293840.TN000	8JS 740 026-111	5.00781.000	6EK 002 843-001	81.25435.0094	8JA 001 926-001	81.6373.20058	9HB 863 833-001
294030.BN000	8JS 740 026-201	5.00782.000	6EK 001 559-001	81.25435.0107	8JA 703 947-011	81.63732.0059	9HB 863 835-001
294040.BN000	8JS 740 026-241	5.00879.000	8JA 002 264-001	81.25435.0175	8JA 001 918-002	81.63732.0060	9HB 863 836-001
294050.TN000	8JS 740 026-251	5.05599.000	8JD 002 288-001	81.25435.0240	8KV 002 127-003	81.63732.0061	9HB 863 839-001
294060.BN000	8JS 740 026-211	5.05600.000	8JD 002 289-001	81.25435.0240	8KV 002 127-007	81.63732.0062	9HB 863 840-001
294070.TN000	8JS 740 026-261	5.05601.000	8JD 002 294-001	81.25435.0397	8KV 003 285-002	81.63733.0012	9EY 117 125-001
294080.BN000	8JS 740 026-221	5.05602.000	8JD 002 291-001	81.25435.0591	8JA 003 832-001	81.63733.0015	9EY 117 124-001
294100.TN000	8JS 740 026-231	5.05603.000	8JD 002 290-001	81.25435.0888	8JA 003 526-001	81.63733.0019	9EY 111 231-001
294120.TN000	8JS 740 026-271	5.08200.008	8KV 002 127-003	81.25435.0888	8JA 003 526-002	81.63733.0021	9EY 111 231-001
295030.BN000	8JS 740 026-311	5.08200.016	8KV 002 127-021	81.25435.6155	8JA 001 920-011	81.63733.0025	9EY 120 010-001
295030.TN000	8JS 740 026-311	5.08234.000	8KV 002 137-001	81.25503.0029	6JF 001 571-001	81.63733.0027	9EY 561 042-002
295040.BN000	8JS 740 026-321	5.08235.000	8KV 002 139-001	81.25503.0029	6JF 001 571-002	81.63733.0030	9EY 561 042-002
295040.TN000	8JS 740 026-321	5.08236.000	8KV 002 140-001	81.25503.0053	6HF 001 579-011	81.63733.0032	9EY 561 042-002
295050.TN000	8JS 740 026-331	5.08237.000	8KV 002 141-001	81.25503.0130	6HF 002 372-041	81.63733.0038	9EY 125 314-001
295060.TN000	8JS 740 026-341	5.09990.000	6ZF 003 549-001	81.25503.0131	6JF 001 571-041	81.63733.0039	9EY 561 445-001
295070.BN000	8JS 740 026-351	6.00717.000	8JA 002 263-001	81.25503.0131	6JF 001 571-042	81.63733.0042	9EY 561 814-001
295070.TN000	8JS 740 026-351	6.00722.000	8JB 006 462-001	81.25505.0333	5WA 001 871-051	81.63733.0061	9EY 561 814-001
295080.TN000	8JS 740 026-301	6.00732.000	8JB 001 946-031	81.25505.0730	6ZF 003 549-001	81.63733.0064	9EY 120 010-001
295100.TN000	8JS 740 026-361	6.00732.000	8JB 001 946-001	81.25505.6046	6ED 004 778-021	81.63733.0067	9MX 563 468-002
295120.TN000	8JS 740 026-371	6.00733.300	8JB 001 946-011	81.25505.7014	6FG 002 312-001	81.63733.0082	9MX 863 837-001
297002.LN000	8JS 728 596-081	6.00737.000	8JB 001 943-011	81.25505.7014	6FG 002 312-002	81.6373.30083	9MX 863 838-001
297003.LN000	8JS 728 596-101	6.00753.002	8JB 003 833-001	81.25506.7000	6EK 001 559-001	81.63733.0085	9MX 863 848-001
297004.LN000	8JS 728 596-121	6.00753.616	8JB 003 833-011	81.25506.7000	6EK 001 559-007	81.63733.0087	9MX 863 847-001
297004.LN000	8JS 728 596-801	6.00753.902	8JB 003 834-001	81.25510.0001	6AJ 001 751-021	81.6373 3057	9MX 863 839-011
297005.LN000	8JS 728 596-131	6.00754.000	8JA 003 831-001	81.25520 0001	6EJ 001 569-001	81.63733.6001	9MX 561 044-002
297005.LN000	8JS 728 596-811	6.00754.900	8JA 003 832-001	81.25902.0470	4JA 005 355-001	81.63733.6003	9MX 560 096-002
297010.LN000	8JS 728 596-141	6.00757.000	8JB 001 939-001	81.25902-0537	5WG 002 450-301	81.63733.6006	9EY 561 814-001
297010.LN000	8JS 728 596-821	6.00757.900	8JB 006 464-001	81.25902-0537	5WG 002 450-307	81.63733.6006	9MX 560 096-002
297015.LN000	8JS 728 596-151	6.00773.000	8JB 001 941-002	81.25906.0001	3SB 002 768-031	81.63733.6006	9MX 561 891-001
297015.LN000	8JS 728 596-831	6.00774.000	8JA 001 918-002	81.26483.0016	8WV 115 095-001	81.63733.6007	9MX 561 890-001
297020.LN000	8JS 728 596-161	6.00783.000	8JA 001 915-001	81.26485.6029	8TW 007 540-037	81.63733.6017	9MX 562 846-002
297020.LN000	8JS 728 596-841	6.00784.000	8JA 002 262-001	0.81626.2151	8KV 002 139-001	81.63733.6023	9MX 562 841-002
297025.LN000	8JS 728 596-091	6.00877.000	8JB 001 934-001	0.81626.2151	8KV 002 139-003	81.63733.6024	9MX 563 468-002
297030.LN000	8JS 728 596-171	6.00922.000	8JB 001 943-003	81.63700.6087	8SB 501 246-822	81.63733.6033	9MX 863 837-001
297030.LN000	8JS 728 596-851	6.00922.900	8JB 001 943-041	81.63700.6088	8SB 501 246-803	81.6373.36034	9MX 863 838-001
29707.5LN00	8JS 728 596-111	6.00927.000	8JB 002 281-001	81.63700.6089	8SB 501 247-803	81.63733.6037	9MX 863 848-001
298100.TN000	8JS 742 902-001	6.00929.000	8JA 001 925-001	81.63700.6089	9MX 561 891-001	81.63733.6042	9MX 863 837-001
298125.TN000	8JS 742 902-011	6.00941.000	8JB 001 935-001	81.63730.0032	9BG 562 812-002	81.6373.36049	9MX 564 249-001
298150.TN000	8JS 742 902-021	6.00942.000	8JA 001 931-001	81.63730.0065	9BG 562 813-002	81 6373 36062	9MX 863 847-011
298175.TN000	8JS 742 902-031	6.00998.000	8JA 001 930-003	81.63730-0067	9BG 562 814-002	81.68733-0040	9MX 561 449-001
298200.TN000	8JS 742 902-041	6.00998.300	8JA 005 476-001	81.63730-0072	9SV 562 840-003	81.77630.0093	8TW 004 764-041
298225.TN000	8JS 742 902-061	6.00998.900	8JA 001 930-031	81.63730.6003	9MX 561 891-001	81.96420-0495	9GH 562 803-002
298250.TN000	8JS 742 902-051	6.05620.000	9XS 091 200-007	81.63730.6027	8SB 002 993-001	82.00003.9858	6FG 002 315-001
298300.TN000	8JD 743 135-001	6.77400.140	8KA 004 797-021	81.63730.6027	8SB 501 047-011	82.00004.0606	6ED 004 778-021
298900.TN000	8JS 728 595-051	6.90000.001	8JB 005 949-001	81.63730.6106	8SB 002 405-001	82.00000-9572	8SB 002 995-041
299020.BN000	8JS 728 595-131	6.90010.001	8JB 005 949-011	81.63730.6127	8SB 560 991-012	82 25301 6000	3BA 002 768-382



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MAN	Hella	Mekra	Hella	Mekra	Hella	Members	Hella
83.63730-6521	8SB 501 247-822	15.3780.840H	9MX 564 234-011	59.3495.120	8SB 507 043-001	005807.90	8JB 003 833-031
84.25435.0035	8JA 002 262-001	15.3791.470H	9MX 564 245-001	59.3495.122	8SB 507 043-011	005809.00	8JB 003 833-001
84.25435.0035	8JA 002 262-002	15.3861.114H	9MX 863 846-001	59.3702.431H	8SB 354 506-801	005809.90	8JB 003 833-001
84.25435.0035	8JA 002 262-003	15.3862.174H	9MX 564 250-001	59.3712.441H	8SB 354 506-811	005811.00	8JB 003 834-031
84.63733.6002	9MX 127 585-002	15.3920.840H	9MX 564 249-001	59.3793.127H	8SB 507 049-001	005811.90	8JB 003 834-031
85.20001-1382	4DM 003 944-027	15.3921.870H	9MX 863 837-001	59.3941.222H	8SB 354 509-001	005812.00	8JB 003 833-031
85.20001-1974	5WG 002 450-301	15.3922.870H	9MX 863 838-001	59.3962.210H	8SB 507 052-001	00581300	8JB 003 834-021
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Manufacturer's no. / Hella no.
Cross-Reference

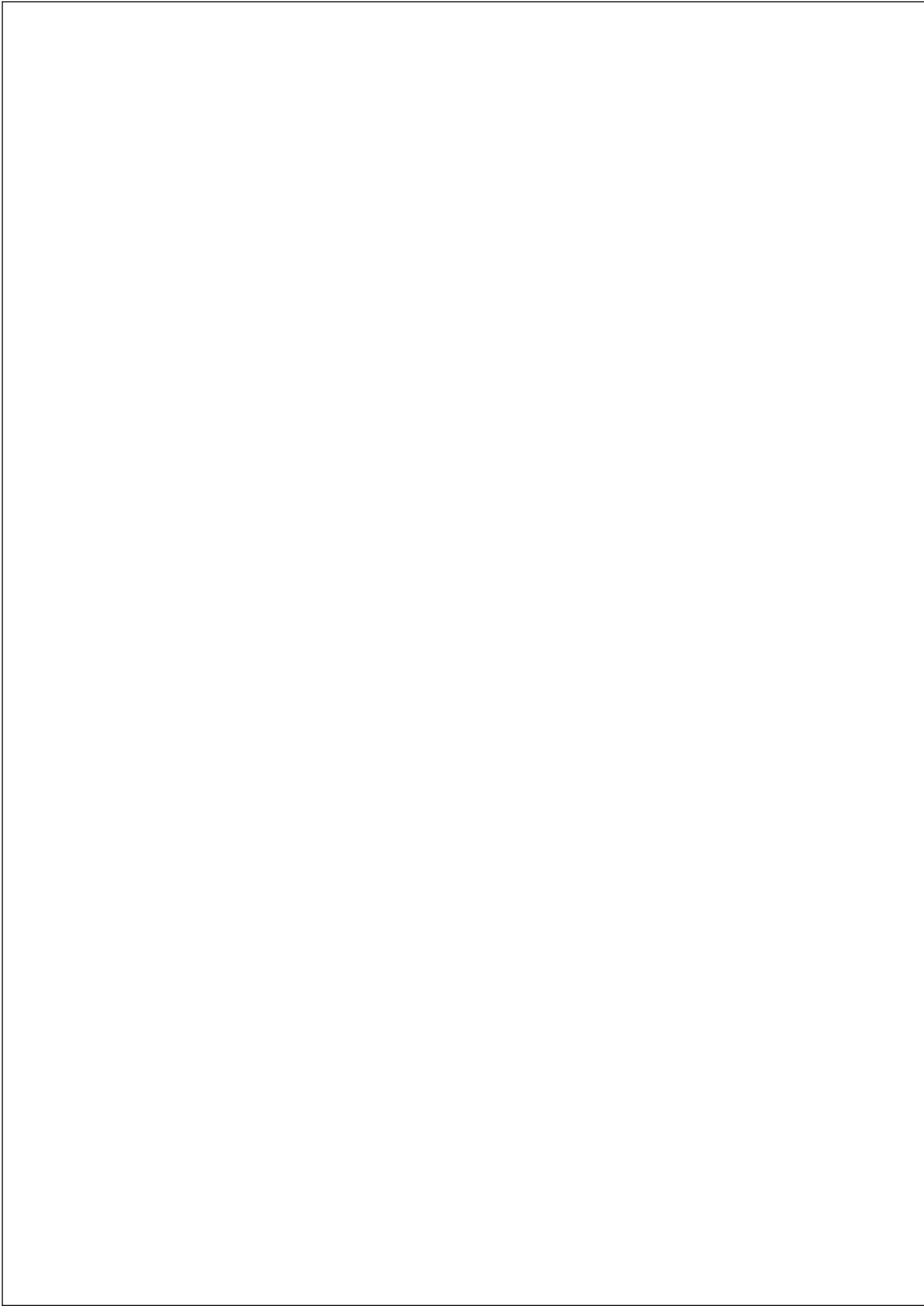


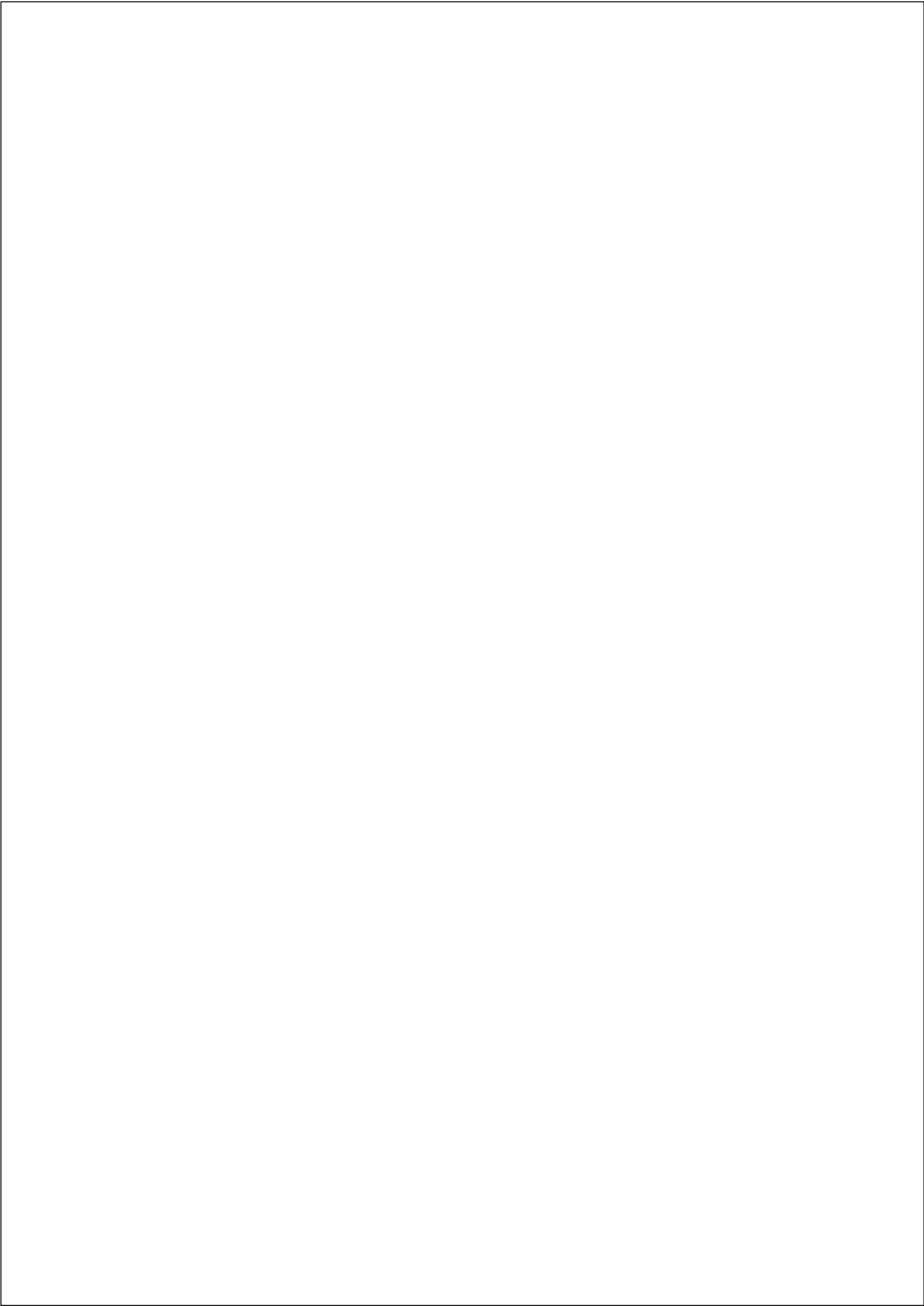
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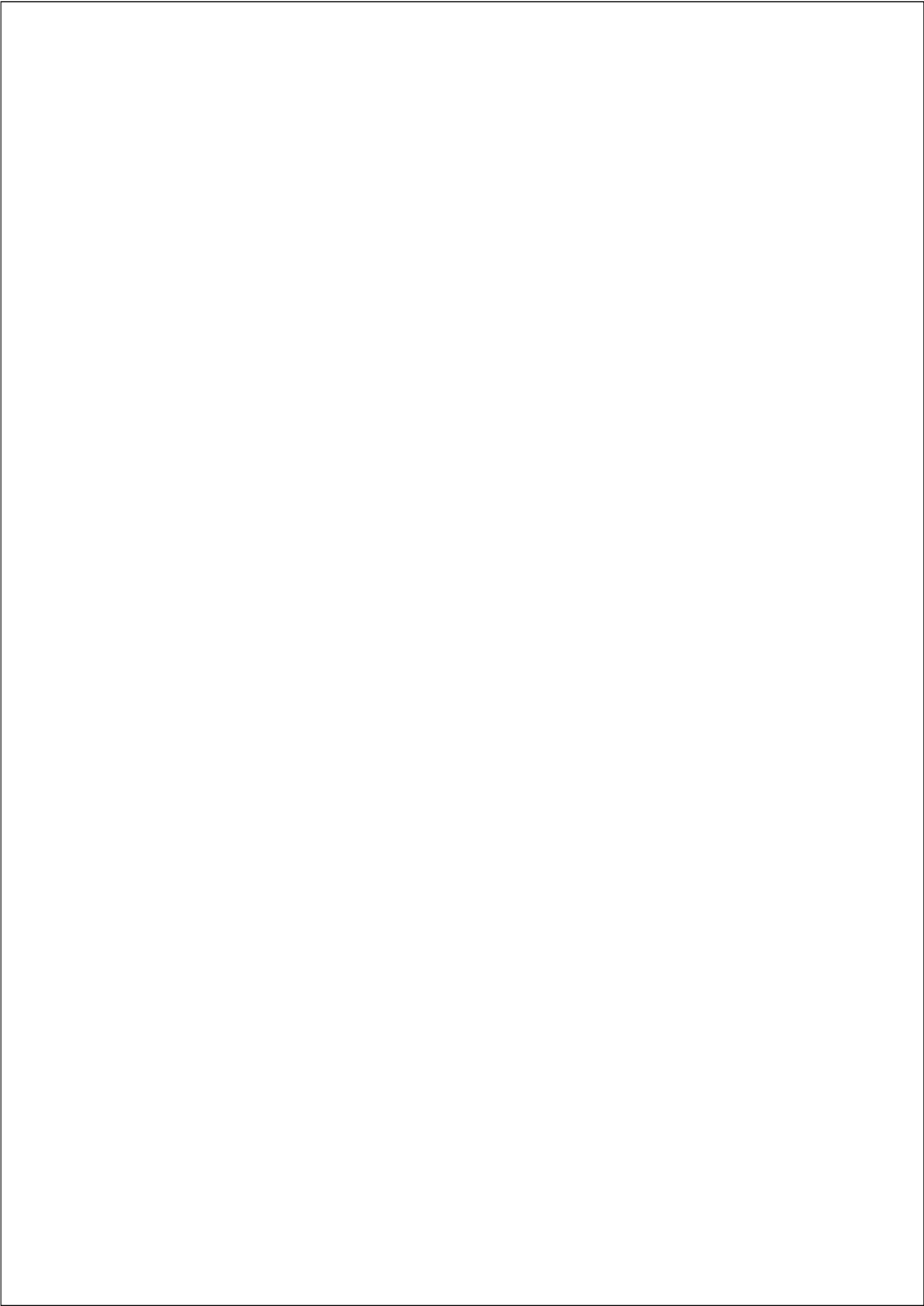
Cross-Reference



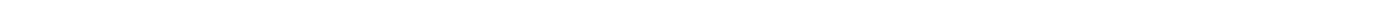
Opel	Hella	Pudenz	Hella	Pudenz	Hella	Romax	Hella
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PRK010152 007	8KV 705 123-004	153.5395.615	8JS 742 902-021	169.6885.530	8JS 728 595-141	103100	8KL 712 953-001
V04108600	8SB 002 405-001	153.5395.617	8JS 742 902-031	169.6885.5301	8JS 728 595-141	103102	8KL 712 957-001
V05032000	3BA 002 768-382	153.5395.620	8JS 742 902-041	169.6885.540	8JS 728 595-151	103103	8KL 712 958-001
V06009400	3BA 002 768-001	153.5395.622	8JS 742 902-061	169.6885.5401	8JS 728 595-151	103105	8KL 712 959-001
V23605020	6JF 001 571-001	153.5395.625	8JS 742 902-051	169.6885.550	8JS 728 595-161	103107	8KL 712 952-001
V23605020	6JF 001 571-002	153.5395.630	8JS 742 902-071	169.6885.5501	8JS 728 595-161	103201	8KL 712 954-002
V23610010	3BA 002 768-001	153.5631.530	8JS 742 901-061	169.6885.560	8JS 728 595-171	103202	8KL 712 957-002
V28620480	3SB 002 768-031	153.5631.540	8JS 742 901-001	169.6885.5601	8JS 728 595-171	103203	8KL 712 958-002
V43038900	3BA 002 768-001	153.5631.550	8JS 742 901-011	169.6885.570	8JS 728 595-181	103204	8KL 712 956-002
V43168900	9XW 860 657-001	153.5631.560	8JS 742 901-021	169.6885.5701	8JS 728 595-181	103205	8KL 712 959-002
V45025200	6JF 001 571-041	153.5631.570	8JS 742 901-031	169.6885.580	8JS 728 595-191	103207	8KL 712 952-002
V45025200	6JF 001 571-042	153.5631.580	8JS 742 901-041	169.6885.5801	8JS 728 595-191	104102	8KL 712 962-001
V45029200	3BA 002 768-382	153.5631.610	8JS 742 901-051	178.6105.0004	8JD 005 235-801	104107	8KL 712 960-001
Paris-Rhône	Hella	153.5631.612	8JS 742 901-071	178.6105.0024	8JD 005 235-801	104202	8KL 712 962-002
102 180M	4RV 008 188-081	153.5631.615	8JS 742 901-081	185.6185.9364	8JS 711 683-903	104207	8KL 712 960-002
102 696	4RV 008 188-091	156.5610.5301	8JS 713 575-011	255.1000.0001	8KX 747 875-011	105102	8KL 712 965-001
105 857	4RV 008 188-081	156.5610.5501	8JS 713 575-021	255.2000.0001	8KX 747 875-011	105107	8KL 712 964-001
Peugeot	Hella	156.5610.5601	8JS 713 575-031	277.6106.0002	8KV 714 340-007	106102	8KL 712 968-001
1508.72	8XY 007 745-001	156.5610.5800	8JS 713 575-001	Rasmussen	Hella	106107	8KL 712 967-001
0023.53	8KV 002 127-011	156.5610.5801	8JS 713 575-001	SGL7-11/5Zy.W2	8HK 713 394-001	107107	8KL 712 969-001
0023.60	8KV 002 137-001	156.5610.6121	8JS 713 575-041	Renault	Hella	108107	8KL 712 970-001
5981.10	4RV 008 188-081	156.5610.6151	8JS 713 575-051	50 00 360 183	8JA 001 926-001	109107	8KL 712 971-001
5981.11	4RV 008 188-091	161.4507.00	8JS 711 684-002	50 00 360 312	6HF 001 579-011	111017	8KL 712 972-001
5981.13	4RV 008 188-081	161.4757.00	8JS 711 685-002	50 00 409 614	4RV 008 188-201	200107	8KL 712 975-001
5981.15	4RV 008 188-091	161.5107.00	8JS 711 686-002	50 00 687 334	3CA 004 811-011	0200134	8JS 704 073-003
5981.15	4RV 008 188-391	161.5157.00	8JS 711 687-002	50 00 953 754	8TW 004 764-041	0200145	8JS 025 889-003
5981.19	4RV 008 188-281	161.5207.00	8JS 711 688-002	50 00 954 097	9GD 853 490-001	0200146	8JS 089 015-003
5981.21	4RV 008 188-321	161.5257.00	8JS 711 689-002	50 00 95			













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