



# ***mato***

## Lighting & Connection





<b>1</b>	<b>Auto lampen</b>	<b>Car lamps</b>	<b>Fahrzeug Lampen</b>	<b>Lampes automobile</b>
<b>2</b>	<b>Autokabel</b>	<b>Automotive wire</b>	<b>Fahrzeugleitung</b>	<b>Câble automobile</b>
<b>3</b>	<b>Kabelband &amp; accessoires</b>	<b>Cable ties &amp; accessories</b>	<b>Kabelbänder &amp; Zubehör</b>	<b>Colliers serre-câbles &amp; accessoires</b>
<b>4</b>	<b>Kabelverbinders geïsoleerd</b>	<b>Pre insulated terminals</b>	<b>Kabelverbinder isoliert</b>	<b>Cosse pré-isolée</b>
<b>5</b>	<b>Krimp / soldeer kabelverbinders</b>	<b>Heat shrink / solder terminals</b>	<b>Schrumpf-Löt Verbinder</b>	<b>Connecteur thermoréactable à paroi mince / à souder</b>
<b>6</b>	<b>Kabelverbinders geïsoleerd TYCO/AMP</b>	<b>Pre insulated terminals TYCO/AMP</b>	<b>Kabelverbinder isoliert TYCO/AMP</b>	<b>Cosse pré-isolée TYCO/AMP</b>
<b>7</b>	<b>Kabelverbinders ongeïsoleerd</b>	<b>Not insulated terminals</b>	<b>Kabelverbinder nicht isoliert</b>	<b>Cosse non-isolée</b>
<b>8</b>	<b>Connectorhuizen &amp; connectors</b>	<b>Housings &amp; terminals</b>	<b>Gehäuse &amp; Stecker &amp; Steckhülsen</b>	<b>Boîtiers &amp; connecteurs</b>
<b>9</b>	<b>Zekeringen &amp; accessoires</b>	<b>Fuses &amp; accessories</b>	<b>Sicherungen &amp; Zubehör</b>	<b>Fusibles &amp; accessoires</b>
<b>10</b>	<b>Isolatietape</b>	<b>Insulating materials</b>	<b>Isolations Materialien</b>	<b>Matériau d'isolation</b>
<b>11</b>	<b>Isolatiematerialen</b>	<b>Insulating tape</b>	<b>Isolierband</b>	<b>Ruban électrique isolant</b>
<b>12</b>	<b>Stekers &amp; stekerdozen</b>	<b>Plugs &amp; sockets</b>	<b>Stecker &amp; Steckdosen</b>	<b>Prises &amp; fiches</b>
<b>13</b>	<b>Elektrospiraalkabels &amp; Remlucht spiralen</b>	<b>Electrical coils &amp; Air brake coils</b>	<b>Elektrowendel &amp; Luftbremswendel</b>	<b>Flexibles électriques &amp; pour frein pneumatiques</b>
<b>14</b>	<b>Accu producten &amp; toebehoren</b>	<b>Batterie related products</b>	<b>Akku Produkte</b>	<b>Produits à relation de batterie</b>
<b>15</b>	<b>Kabel verbindings dozen</b>	<b>Cable connecting boxes</b>	<b>Leitungs verbindungsdozen</b>	<b>Boîtiers d'accouplement</b>
<b>16</b>	<b>Schakelaars &amp; Controlelampen</b>	<b>Switches &amp; Control lights</b>	<b>Schalter &amp; Kontrolleuchten</b>	<b>Interrupteur - Voyant de contrôle</b>
<b>17</b>	<b>Relais &amp; Clignoteur automaten</b>	<b>Relays &amp; Flasher units</b>	<b>Relais &amp; Blinkgeber</b>	<b>Relais &amp; Boîte clignotante</b>
<b>18</b>	<b>Omvormers &amp; Laadstroomverdelers</b>	<b>Converters &amp; Inverters Battery isolators</b>	<b>Spannungswandler &amp; Ladestromverteiler</b>	<b>Convertisseur &amp; Transformateur &amp; Distributeur de courant de charge</b>
<b>19</b>	<b>Gereedschap</b>	<b>Tools</b>	<b>Werkzeuge</b>	<b>Outillage</b>
<b>20</b>	<b>Assortimenten</b>	<b>Kits</b>	<b>Sortimente</b>	<b>Assortiments</b>
<b>21</b>	<b>Slangklemmen</b>	<b>Hose clamps</b>	<b>Schlauchschellen</b>	<b>Colliers de serrage</b>
<b>22</b>	<b>Werk/ Veiligheids verlichting &amp; Reflectoren</b>	<b>Working / Safety lights &amp; Reflectors</b>	<b>Sicherheits / Arbeitsleuchten &amp; Reflektoren</b>	<b>Éclairage de travail / sécurité &amp; Reflecteurs</b>
<b>23</b>	<b>Batterijen / Minicellen</b>	<b>Batteries / Button cells</b>	<b>Batterien / Knopf batterien</b>	<b>Piles / Boutons</b>
<b>24</b>	<b>Bevestigings materiaal</b>	<b>Fasteners</b>	<b>Verschlüsse</b>	<b>Attaches</b>
<b>25</b>	<b>Alternatieve verpakkingen</b>	<b>Alternative packaging</b>	<b>Alternative Verpackung</b>	<b>Emballage alternatif</b>

## **26 INDEX**

# *mato*

# 1



Auto lampen



Car lamps







Fahrzeug Lampen



Lampes automobile

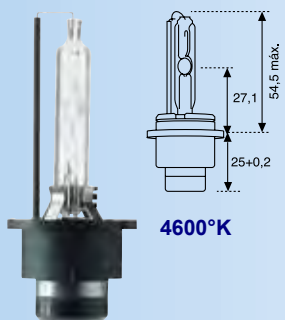


-  Xenon gasontlading lampen High intensity discharge lamps
-  Halogen lamps
-  Hochdruck-gasentladungslampen
-  Lampes à décharge au xénon

S-type = for projection systems  
R-type = for reflection systems



### D2S PK32d-2



4600°K

85V-35W  
FMA5000

### D2R PK32d-3



4600°K

85V-35W  
FMA5002

### D1S PK32d-2



4600°K

85V-35W  
FMA5005

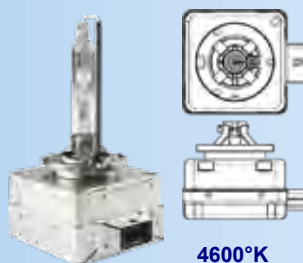
### D1R PK32d-3



4600°K

85V-35W  
FMA5004

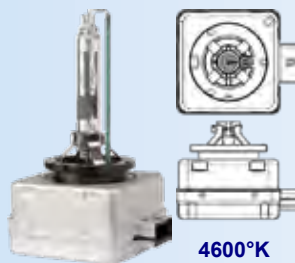
### D3S PK32d-5



4600°K

42V-35W  
FMA5006

### D3R PK32d-6



4600°K

42V-35W  
FMA5007

### D4S P32d-5



4600°K





42V-35W  
FMA5008

### D4R P32d-6



4600°K

42V-35W  
FMA5009

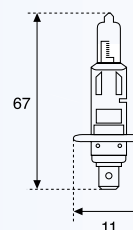
-  Halogeen lampen
-  Halogen lamps
-  Halogen Lampen
-  Lampes halogènes

Long Life All Weather Blue Vision



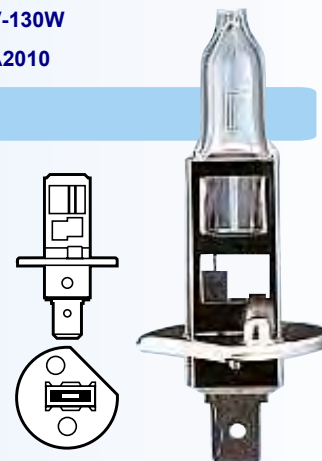
## H1 P14.5s 6V-12V

		Long Life	All Weather	Blue Vision	Rally	Rally	Rally	
								
6V-55W FMA6000	12V-55W FMA2000	12V-55W FMA2002	12V-55W FMA2004	12V-55W FMA2005	12V-70W FMA2008	12V-100W FMA2009	12V-130W FMA2010	



## H1 P14.5s 24V

	Long Life	Blue Vision	All Weather	Rally	Rally	
						
24V-70W FMA4000	24V-70W FMA4001	24V-70W FMA4003	24V-70W FMA4004	24V-100W FMA4005	24V-130W FMA4006	



- Halogeen lampen
- Halogen lamps
- Halogen Lampen
- Lampes halogènes

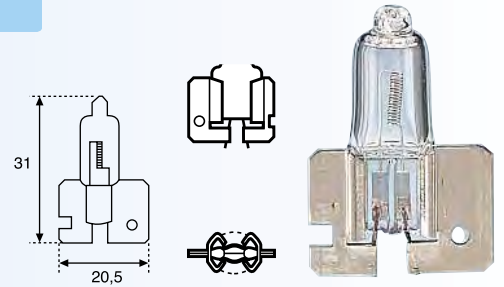
Long Life All Weather Blue Vision

## H2 X511 12V

	<b>Rally</b> 	<b>Rally</b> 
12V-55W FMA2013	12V-100W FMA2014	12V-130W FMA2015

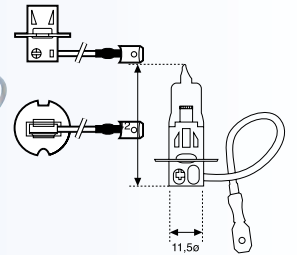
## H2 X511 24V

	<b>Rally</b> 	<b>Rally</b> 
24V-70W FMA4007	24V-100W FMA4008	24V-130W FMA4009



## H3 PK22s 6V-12V

			<b>Long Life</b> 	<b>Blue Vision</b> 	<b>All Weather</b> 	<b>Rally</b> 	<b>Rally</b> 
6V-55W FMA6001	12V-35W FMA2016	12V-55W FMA2017	12V-55W FMA2019	12V-55W FMA2021	12V-55W FMA2020	12V-100W FMA2022	12V-130W FMA2023



## H3 PK22s 24V

	<b>Long Life</b> 	<b>Blue Vision</b> 	<b>All Weather</b> 	<b>Rally</b> 	<b>Rally</b> 		<b>Long Life</b> 	
24V-70W FMA4010	24V-70W FMA4011	24V-70W FMA4012	24V-70W FMA4039	24V-100W FMA4040	24V-130W FMA4041	48V-45W FMA0480	48V-45W FMA0481	80V-55W FMA8800



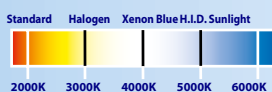
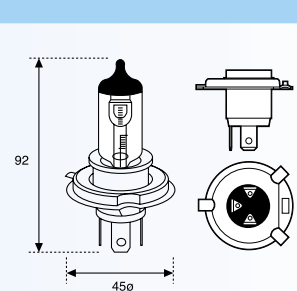
## H4 P43t-38 6V-12V

			<b>Long Life</b> 	<b>PX43t - HS1</b> 	<b>Blue Vision</b> 	<b>All Weather</b> 	<b>Yellow</b> 	<b>Rally</b> 	<b>Rally</b> 
6V-35/35W FMA6002	6V-60/55W FMA6003	12V-60/55W FMA2026	12V-60/55W FMA2027	12V-60/55W FMA2040	12V-60/55W FMA2033	12V-60/55W FMA2031	12V-60/55W FMA2034	12V-110/90W FMA2035	12V-130/110W FMA2038



## H4 P43t-38 24V

	<b>Long Life</b> 	<b>All Weather</b> 	<b>Blue Vision</b> 	<b>Yellow</b> 	<b>Rally</b> 	<b>Rally</b> 
24V-70/75W FMA4013	24V-70/75W FMA4015	24V-70/75W FMA4016	24V-70/75W FMA4017	24V-70/75W FMA4019	24V-110/90W FMA4020	24V-130/110W FMA4021



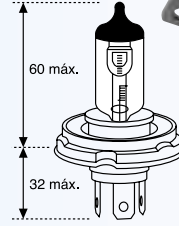
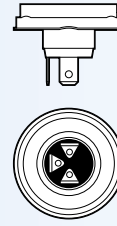
- Halogeen lampen
- Halogen lamps
- Halogen Lampen
- Lampes halogènes

Long Life All Weather Blue Vision



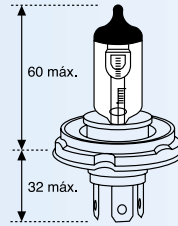
## H5 - R2 P45t-41 6V-12V

	<b>P45t-41</b> 		<b>Blue Vision</b> 	<b>Rally</b> 
<b>H5</b>		<b>H5</b>	<b>H5</b>	<b>H5</b>
6V-60/55W FMA6004	12V-45/40W FMA2041	12V-60/55W FMA2042	12V-60/55W FMA2043	12V-110/90W FMA2044



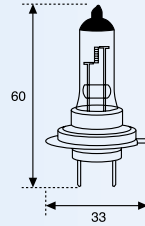
## H5 - R2 P45t-41 24V

	<b>Rally</b> 
24V-75/70W FMA4025	24 V-110/90W FMA4027



## H7 PX26d 12V

<b>Standaard</b>	<b>Long Life HD</b>	<b>Blue Vision</b>	<b>All Weather</b>	<b>Rally</b>
12V-55W FMA2046	12V-55W FMA2048	12V-55W FMA2052	12V-55W FMA2051	12V-100W FMA2055



## H7 PX26d 24V

<b>Long Life HD</b>	<b>Blue Vision</b>	<b>All Weather</b>	<b>Rally</b>
24V-70W FMA4030	24V-70W FMA4033	24V-70W FMA4034	24V-100W FMA4035

## H8 PGJ19-1 /PGJY19-1 12V

	<b>Blue Vision</b> 		
12V-35W FMA2058	12V-35W FMA2059	<b>H8 B</b>	<b>H8 B</b>
		12V-35W FMA2126	

## H9 PGJ19-5 12V PGJY19-5

	<b>Blue Vision</b> 	
12V-65W FMA2060	12V-65W FMA2061	<b>H9 B</b>
		12V-65W FMA2127

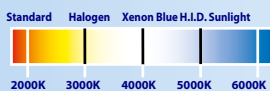






## H10 PY20d 12V

12V-42W FMA2062	12V-53W FMA2096		

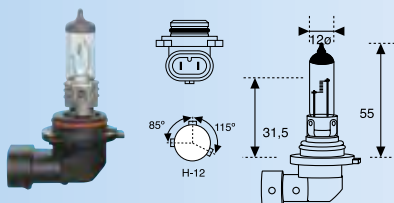
## H11 PGJ19-2 12V 24V

	<b>Blue Vision</b> 	
12V-55W FMA2063	12V-55W FMA2065	24V-70W FMA4036



-  Halogeen lampen
-  Halogen lamps
-  Halogen Lampen
-  Lampes halogènes

## H12 PZ20d 12V



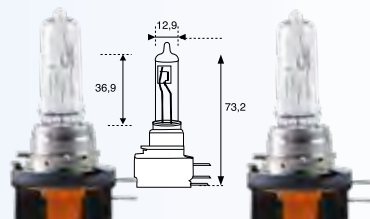
12V-53W  
FMA2066

## H13 PJ26.4t 12V



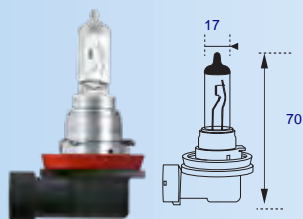
12V-60/55W 12V-100/90W 12V-100/90W  
FMA2120 FMA2121 FMA2122

## H15 PGJ23t-1 12V/24V



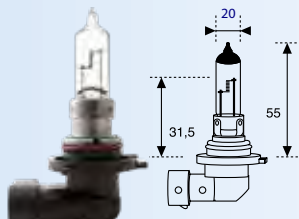
12V-15/55W 24V-20/60W  
FMA2123 FMA2124

## H16 PGJ19-3 12V



12V-19W  
FMA2125

## HIR-1 PX20d 12V



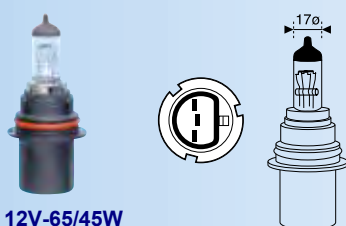
12V-55W  
FMA2128

## HIR-2 PX22d 12V



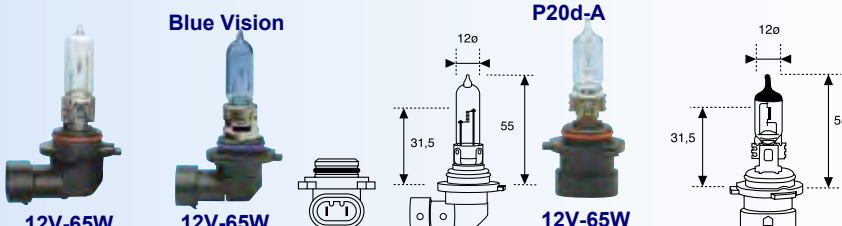
12V-55W  
FMA2129

## HB1- 9004 P29t 12V



12V-65/45W  
FMA2067

## HB3 - 9005 P20d/P20d-A 12V

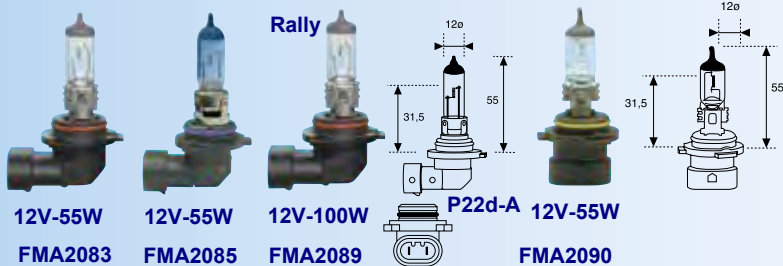


12V-65W  
FMA2075

12V-65W  
FMA2077

12V-65W  
FMA2082

## HB4 - 9006 P22d/P22d-A 12V Blue Vision



12V-55W  
FMA2083

12V-55W  
FMA2085

12V-100W  
FMA2089

12V-55W  
FMA2090

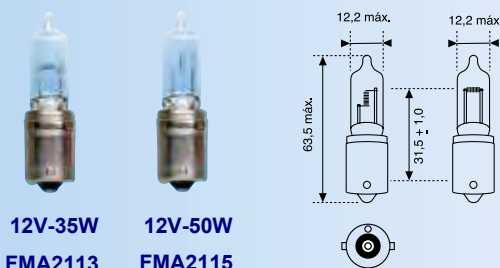
## HB5 - 9007 PX29t 12V



12V-65/55W  
FMA2091

12V-100/80W  
FMA2094

## US-7 BA15s 12V



12V-35W  
FMA2113

12V-50W  
FMA2115

## US-8 PG13 12V

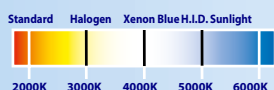


12V-27W  
FMA2101

12V-50W  
FMA2111

12V-27W  
FMA2103

12V-37W  
FMA2105



- Halogeen lampen
- Halogen lamps
- Halogen Lampen
- Lampes halogènes

## US-8 PGJ13 12V



12V-27W FMA2102    12V-27W FMA2104    12V-37W FMA2109    12V-50W FMA2112    12V-37W FMA2107

## HP24W Peugeot Citroen



12V-24W  
FMA13625

- Asymmetrische duplolampen
- Asymmetric lamps
- Asymmetrische Duplo-D Lampen
- Lampes Code Européen unifié

## R2 P45t-41 6V-12V



6V-45/40W FMA6005    6V-45/40W FMA6006    12V-45/40W FMA2200    12V-45/40W FMA2201

## P45t-41 24V



24V-55/50W FMA4050    24V-55/50W FMA4051

## Bosch BA20s - 35x67



6V-35W FMA6016    6V-45W FMA6017    12V-35W FMA2230    12V-45W FMA2231



24V-35W FMA4054    24V-45W FMA4055    24V-50W FMA4056



## Bosch BA20d - 35x67



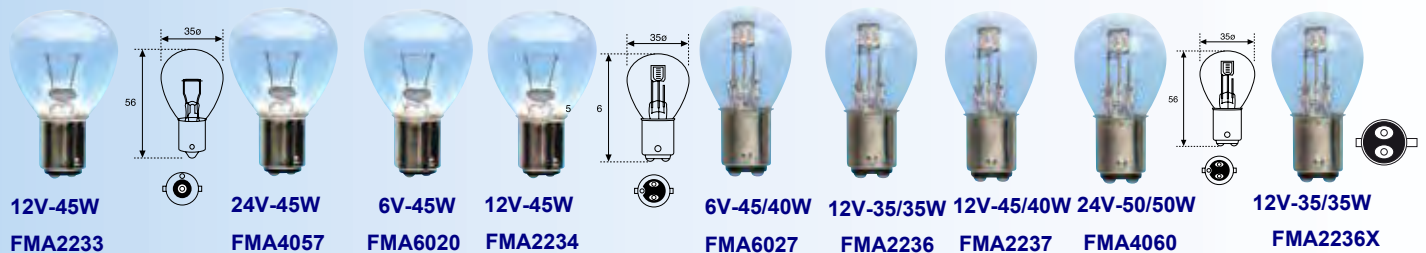
6V-15/15W FMA6008    6V-25/25W FMA6011    6V-35/35W FMA6013    6V-45/40W FMA6015    12V-15/15W FMA2202    12V-25/25W FMA2204    12V-35/35W FMA2207    12V-35/35W FMA2209    12V-45/40W FMA2211    12V-45/40W FMA2213    12V-45/40W FMA4052

## US BA15s - 35x56

## US BA15d - 35x56

## US BA15d - 35x56

## BAX15d - 35x56



12V-45W FMA2233    24V-45W FMA4057    6V-45W FMA6020    12V-45W FMA2234    6V-45/40W FMA6027    12V-35/35W FMA2236    12V-45/40W FMA2237    24V-50/50W FMA4060    12V-35/35W FMA2236X



- Asymmetrische duplolampen
- Asymmetric lamps
- Asymmetrische Duplo-D Lampen
- Lampes Code Européen unifié

## US BA15d - 28x58



6V-10/10W 6V-15/15W 6V-18/18W 6V-25/25W 6V-35/35W 12V-25/25W  
 FMA6021 FMA6022 FMA6023 FMA6024 FMA6025 FMA2235

## Bosch Krypton BA20d - Halogen BA20d



12V-25/25W 12V-40/45W 12V-35/35W  
 FMA2228 FMA2223 FMA2215

## Marchal BA21s - 40x61



6V-45W 12V-45W 24V-50W  
 FMA6031 FMA2241 FMA4064

## Marchal BA21d - 40x61



6V-35/35W 6V-45/45W 12V-35/35W 12V-35/35W 12V-45/40W 24V-45/40W 24V-50/50W  
 FMA6029 FMA6030 FMA2238 FMA2239 FMA2240 FMA4061 FMA4062

## Lucas P22s - 28x62



6V-45W 12V-45W 24V-45W  
 FMA6033 FMA2243 FMA4066

## Lucas P22d - 28x62



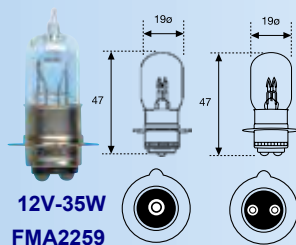
6V-45/40W 12V-45/40W 24V-45/40W  
 FMA6032 FMA2242 FMA4065

## MoBike P26s - 25x48



6V-15W 6V-15W 6V-25W 6V-35W 12V-15W 12V-15W 12V-15W 12V-20W 12V-25W 12V-35W  
 FMA6034 FMA6035 FMA6037 FMA6038 FMA2244 FMA2245 FMA2247 FMA2248 FMA2249 FMA2250

## MoBike PX15s - 19x47

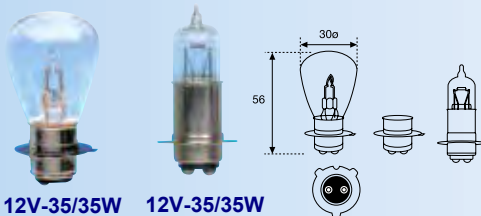


12V-35W  
 FMA2259



6V-20/20W 6V-25/25W 6V-35/35W 12V-15/15W 12V-18/18W 12V-25/25W 12V-30/30W 12V-30/30W 12V-35/35W  
 FMA6040 FMA6041 FMA6086 FMA2251 FMA2252 FMA2255 FMA2256 FMA2257 FMA2258

## MoBike PX15d-3 - 30x56



12V-35/35W 12V-35/35W  
 FMA2260 FMA2262

## MoBike BAX15d 28x54



6V-20/20W 12V-15/15W  
 FMA6044 FMA2263

## MoBike P15d 35x57



12V-25/25W 12V-35/35W  
 FMA2269 FMA2270

-  Stop/achterlampen 2F
-  Stop/flasher lamps 2F
-  Brems-Schlußlichtlampen 2F
-  Lampes stop à deux filaments



## BAY15d 6V-12V

## BAY15d 24V

				<b>Amber</b> 	<b>Red</b> 				<b>Heavy Duty</b> 	
6V-18/5W	6V-21/5W	12V-18/5W	12V-21/5W	12V-21/5W	12V-21/5W	12V-24/8W	12V-32/6W	24V-21/5W	24V-21/5W	
FMA6051	FMA6052	FMA2300	FMA2301	FMA2304	FMA2305	FMA2307	FMA2309	FMA4101	FMA4103	

## BAY15d 48V

## BAZ15d 12V 24V



## BA15d 6V-12V 24V

				<b>Long Life</b> 							
48V-23/8W	48V-25/10W		12V-21/4W	12V-21/4W	12V-21/4W	24V-21/4W		6V-21/5W	12V-21/5W	24V-21/5W	
FMA0482	FMA0483		FMA2310	FMA2311	FMA4104	FMA4104		FMA6053	FMA2312	FMA4105	

## BAW15d 12V Red

12V-21/5W  
FMA2495



-  Stop/achter- en signaallampen 1F
-  Stop and flasher lamps 1F
-  Blink-, Brems-, Rückfahrt- und Nebelschlußlichtlampen 1F
-  Lampes stop à un filament 1F

## BA15s 6V-12V

							<b>Long Life Amber</b> 	<b>Red</b> 			
6V-15W	6V-18W	6V-21W	12V-15W	12V-18W	12V-21W	12V-21W	12V-21W	12V-21W	12V-21W	12V-25W	
FMA6054	FMA6055	FMA6056	FMA2350	FMA2351	FMA2352	FMA2353	FMA2354	FMA2356	FMA2358		

## BA15s 24V


## BA15s 28V

			<b>Amber</b> 	<b>HD</b> 						
24V-15W	24V-18W	24V-21W	24V-21W	24V-21W	24V-21W	24V-25W		28V-15W	28V-21W	
FMA4120	FMA4121	FMA4123	FMA4124	FMA4125	FMA4127	FMA4127		FMA0280	FMA0281	

## BAU15s 12V

## BAU15s 24V

	<b>Amber</b> 						<b>Amber</b> 	<b>HD Amber</b> 		
12V-21W	12V-21W		12V-21W			24V-21W	24V-21W	24V-21W		
FMA2361	FMA2362		FMA2361			FMA4130	FMA4131	FMA4132		

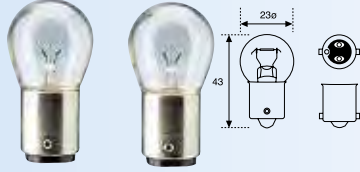
-  Stop/achter- en signaallampen 1F
-  Stop and flasher lamps 1F
-  Blink-, Brems-, Rückfahrt- und Nebelschlußlichtlampen 1F
-  Lampes stop à un filament 1F

**BA15d 12V**



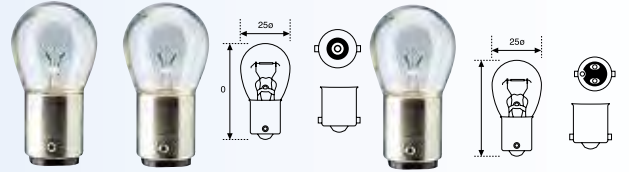
12V-15W 12V-21W  
FMA2359 FMA2360

**BA15d 24V**







24V-15W 24V-21W  
FMA4128 FMA4129

**BA15s 48V**



48V-10W 48V-25W 48V-35W  
FMA0484 FMA0485 FMA0495

-  Stop-, achter- en signaallampen 1F
-  Stop-, sign and flasher lamps 1F
-  Blink-, Brems-, Signallampen 1F
-  Lampes graisseur 1F



**BA15s 6V-12V**



6V-5W 6V-10W 6V-15W 12V-5W 12V-5W 12V-5W 12V-5W 12V-5W 12V-5W  
FMA6058 FMA6059 FMA6060 FMA2400 FMA2401 FMA2406 FMA2407 FMA2408 FMA2409



12V-10W 12V-10W 12V-10W 12V-10W 12V-10W 12V-10W 12V-15W 12V-21W  
FMA2402 FMA2403 FMA2411 FMA2412 FMA2413 FMA2414 FMA2404 FMA2405

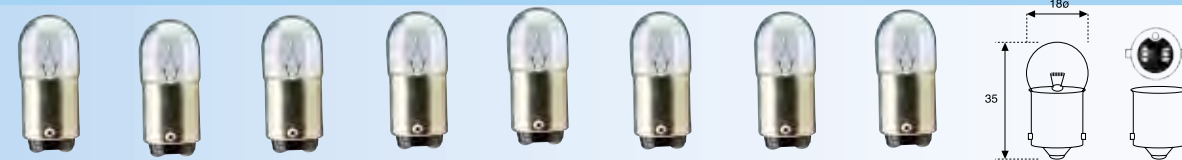


**BA15s 24V**



24V-5W 24V-5W 24V-5W 24V-5W 24V-5W 24V-5W 24V-10W 24V-10W 24V-10W 24V-10W 24V-10W 24V-10W 24V-15W  
FMA4150 FMA4152 FMA4154 FMA4155 FMA4156 FMA4157 FMA4158 FMA4160 FMA4162 FMA4163 FMA4164 FMA4165 FMA4166

**BA15d 6V-12V 24V**



6V-5W 6V-10W 6V-15W 12V-5W 12V-10W 12V-15W 24V-5W 24V-10W  
FMA6061 FMA6062 FMA6063 FMA2416 FMA2417 FMA2418 FMA4171 FMA4172



**BA15s Halogeen 12V 24V**



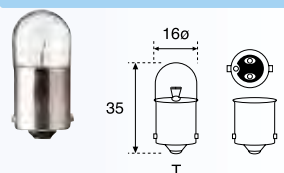
12V-5W 12V-10W 12V-20W 24V-5W 24V-10W 24V-20W  
FMA2419 FMA2420 FMA2421 FMA4173 FMA4174 FMA4175 01-08

**BA15s 28V**







28V-5W 28V-10W  
FMA0282 FMA0283

**BA15d 28V**



28V-5W  
FMA0285

-  Glasfitting lampen
-  Wedge base lamps
-  Glassockellampen
-  Lampes témoin culot de verre

### Wire ended - 12V - 14V - 24V - 28V



12V-60MA 12V-1W 14V-1.1W 24V-2W 28V-1.1W  
 FMA2530 FMA2532 FMA1400 FMA4300 FMA0288

### T5 - W2x4.6d

12V



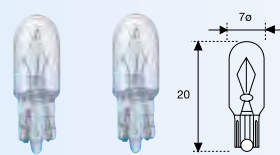
6V-1.2W 12V-0.4W 12V-1.2W 12V-1.2W 12V-1.2W 12V-1.2W 12V-1.2W 12V-1.2W  
 FMA6073 FMA2533 FMA2537 FMA2538 FMA2540 FMA2541 FMA2542 FMA2543

### T5 - W2x4.6d



12V-1.2W 12V-1.2W 12V-1.2W 12V-2W 12V-2W  
 FMA2539 FMA2534 FMA2535 FMA2545 FMA2546

### T7 - W2.2x4.6d



12V-3W 12V-4W  
 FMA2548 FMA2549

### T10 - W2.1x9.5d 6V



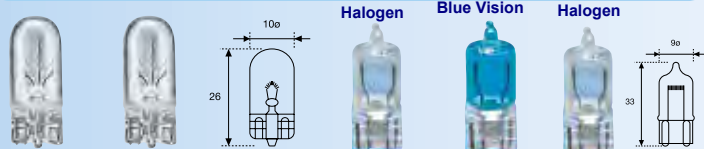
6V-1.5W 6V-2W 6V-3W 6V-5W  
 FMA6074 FMA6075 FMA6076 FMA6077

### T10 - W2.1x9.5d 12V



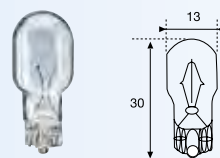
12V-1.5W 12V-2W 12V-3W 12V-3W 12V-3W 12V-3W 12V-3W 12V-5W 12V-5W 12V-5W 12V-5W 12V-5W 12V-5W 12V-5W  
 FMA2551 FMA2552 FMA2553 FMA2554 FMA2555 FMA2556 FMA2557 FMA2561 FMA2562 FMA2563 FMA2564 FMA2566 FMA2567 FMA2568

### T10 - W2.1x9.5d 12V

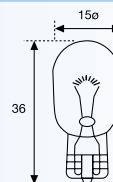


12V-8W 12V-10W 12V-5W 12V-5W 12V-10W 12V-10W  
 FMA2571 FMA2572 FMA2573 FMA2575 FMA2576 FMA2574

### T13 - W2.1x9.5d 12V

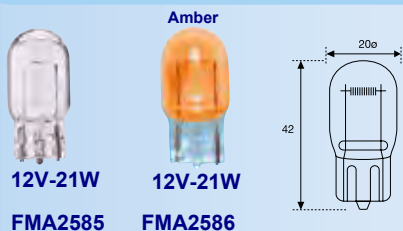


### T15 - W2.1x9.5d 12V



12V-5W 12V-10W 12V-10W 12V-15W 12V-16W 12V-16W 12V-21W 12V-21W 12V-21W  
 FMA2578 FMA2580 FMA2577 FMA2582 FMA2583 FMA2675 FMA2584 FMA2579 FMA2581

### T20 - W3x16d 12V







12V-21W 12V-21W  
 FMA2585 FMA2586

### T20 - W3x16d 12V - 21/5W



12V-21/5W 12V-21/5W 12V-21/5W  
 FMA2587 FMA2528 FMA2529

-  Glasfitting lampen
-  Wedge base lamps
-  Glassockellampen
-  Lampes témoin culot de verre

## T22 - W2.5x16d 12V



12V-21CP 12V-32CP 12V-32CP  
FMA2588 FMA2589 FMA2590

## T22 - W2.5x16q 12V



12V-27/7CP 12V-32/3CP 12V-32/3CP 12V-33/7.5CP 12V-33/7.5CP  
FMA2591 FMA2592 FMA2593 FMA2594 FMA2595

## T22 - W2.5x16q 12V



12V-40/3CP 12V-27/7CP 12V-27/7CP 12V-27/7CP  
FMA2597 FMA2672 FMA2673 FMA2674

## T5 - W2x4.6d 28V



28V-1.2W 28V-1.4W 28V-40MA  
FMA0289 FMA0290 FMA0287

## T5 - W2x4.6d 24V



24V-1.2W 24V-2W 24V-1.2W 24V-1.2W 24V-1.2W 24V-1.2W 24V-1.2W  
FMA4305 FMA4309 FMA4320 FMA4321 FMA4322 FMA4323 FMA4307

## KW2x4.6d

## KW2x4.6d-4



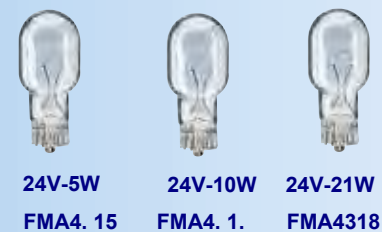
24V-1W 24V-1W 24V-1.2W 24V-1.2W  
FMA4303 FMA4304 FMA4306 FMA4308

## T10 - W2.1x9.5d 24V






24V-2W 24V-3W 24V-3W 24V-3W 24V-3W 24V-3W 24V-5W 24V-5W 24V-5W 24V-5W 24V-5W 28V-1.2W  
FMA4310 FMA4311 FMA4324 FMA4325 FMA4326 FMA4327 FMA4313 FMA4319 FMA4328 FMA4329 FMA4330 FMA0291

## T15 - W2.1x9.5d 24V



24V-5W 24V-10W 24V-21W  
FMA4. 15 FMA4. 1. FMA4318

-  Parkeerlampen
-  Parking lamps
-  Anzeigelampen
-  Lampes témoin culot



## BA7s T6.8 6V-12V

24V



6V-0.6W 12V-1.2W 6V-1.5W 6V-2W 12V-0.6W 12V-1.2W 12V-2W 12V-3W  
 FMA. 0. 4 FMA6065 FMA6066 FMA6067 FMA2500 FMA2501 FMA2502 FMA2503

24V-0.6W 24V-2W 24V-3W  
 FMA4200 FMA4201 FMA4202

## BA9s 6V-12V



6V-2W 6V-3W 6V-4W 12V-2W 12V-3W 12V-4W 12V-4W 12V-4W 12V-4W 12V-4W 12V-4W 12V-5W  
 FMA6068 FMA6069 FMA6070 FMA2504 FMA2505 FMA2506 FMA2508 FMA2509 FMA2510 FMA2511 FMA2512 FMA2513

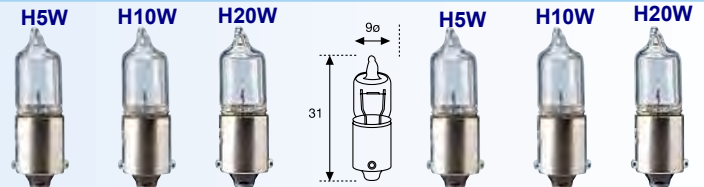
## BA9s 24V



24V-2W 24V-3W 24V-4W 24V-4W 24V-5W  
 FMA4207 FMA4208 FMA4209 FMA4210 FMA4212

## BA9s Halogeen 12V

24V



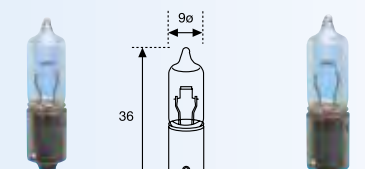
12V-5W 12V-10W 12V-20W 12V-5W 24V-10W 24V-20W  
 FMA2515 FMA2516 FMA2517 FMA4203 FMA4204 FMA4205

## BAX9s Halogeen 12V - H6W



12V-6W 12V-6W 12V-6W  
 FMA2518 FMA2519 FMA2520

## BAY9s Halogeen 12V - 24V H21W



12V-21W 24V-21W  
 FMA2521 FMA4206

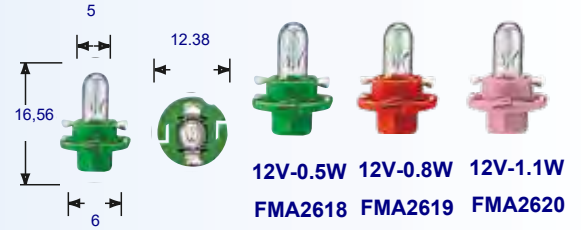
-  Dashboardlampen PCB
-  Plastic circuit board lamps
-  Kunststoffsockellampen
-  Lampes tableaux de bord sur culot plastique



**B8.5D 1.60 mm 12V**



**B8.4D 1.60 mm 12V**



**B8.4D 1.60 mm 12V**



**B8.3D 1.60 mm 12V**



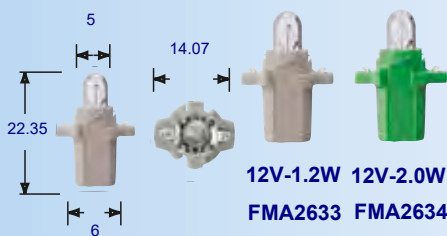
**BX8.5D 1.25 mm 12V**



**BX8.4D 1.25 mm 12V**



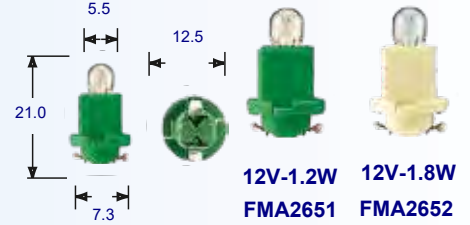
**B8.7D 1.60 mm 12V**



**B10D - Halogen 12V**



**EBS R4 12V**




**BX2D - BAX10Y 12V**



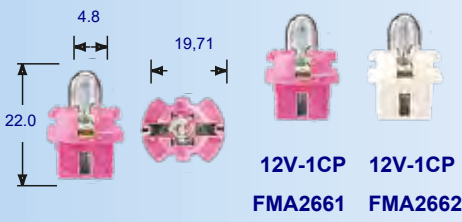
**EBS-C3 12V**



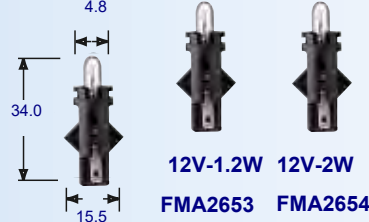
-  Dashboardlampen PCB
-  Plastic circuit board lamps
-  Kunststoffsockellampen
-  Lampes tableaux de bord sur culot plastique



**B11d-T7 12V**



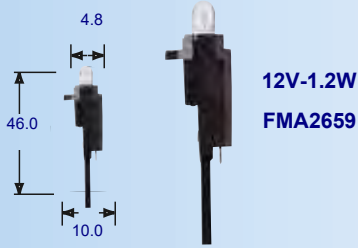
**MFJF BG8.5-5.5D 12V**



**EBS-L 12V**



**MFSL - BG8.5S/40L**



**MFHZ BG8-5.5D**



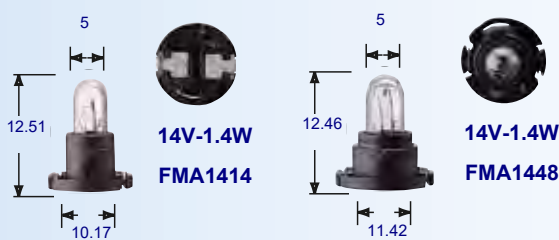
**MFHZ BG8-5.5D**



**T10/161 US 14V**



**T-1/4NW 14V F4.8**



**B8.5D 1.60 mm 24V**



**B8.3D 1.60 mm 24V**



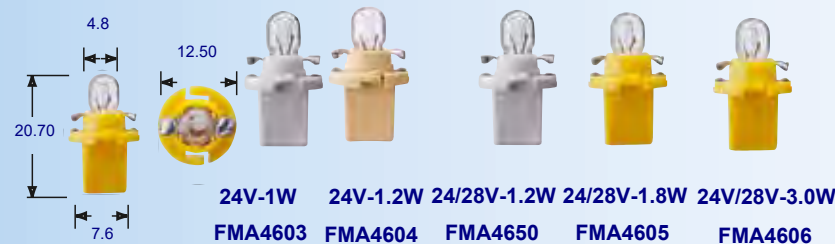
**BX8.5D 1.25 mm 24V**



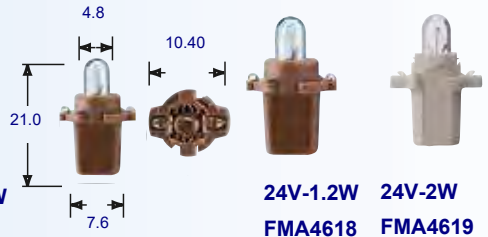
**EBS R4 1.25 MM 24V**



**EBS-RN 1.25 MM 24/28V**



**B8.7D 1.60 MM 24V**





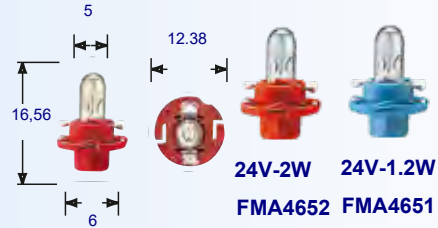
-  Dashboardlampen PCB
-  Plastic circuit board lamps
-  Kunststoffsockellampen
-  Lampes tableaux de bord sur culot plastique



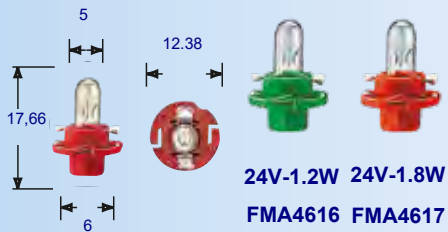
## BX2D 24V



## B8.4D 1.60 mm 24V



## BX8.4D 1.25 MM 24V







## B9/B17/B29 24V



## T-3 NW



-  Gekleurde siliconenhoesjes
-  Coloured silicon lamp covers
-  Silikon Farbkappen für Lampen
-  Enveloppe silicone en couleur

## T5 Silicon lamp cover



## T10 Silicon lamp cover



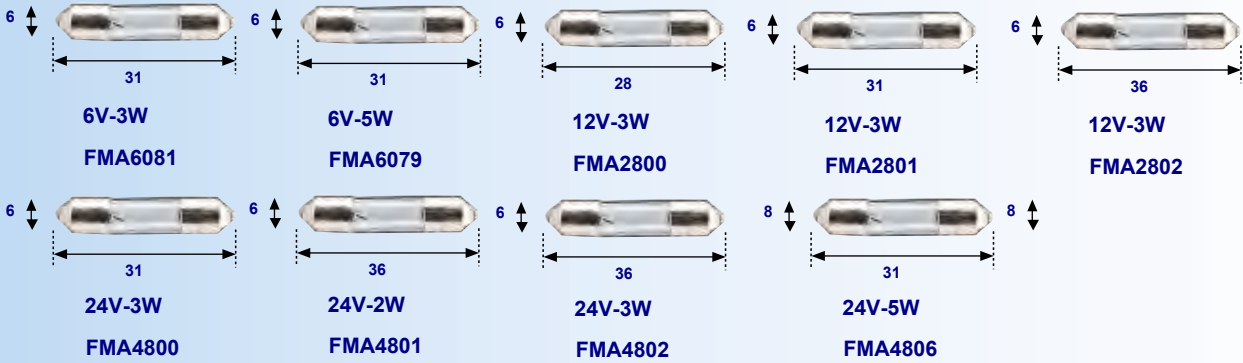
## T16 Silicon lamp cover



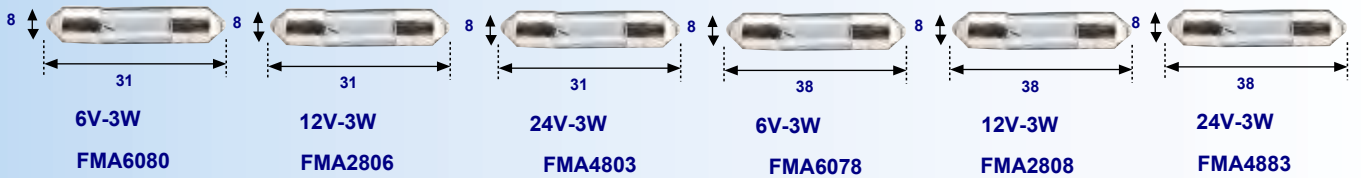
-  Buis/festoon lampen
-  Festoon lamps
-  Soffittenlampen
-  Lampes navettes



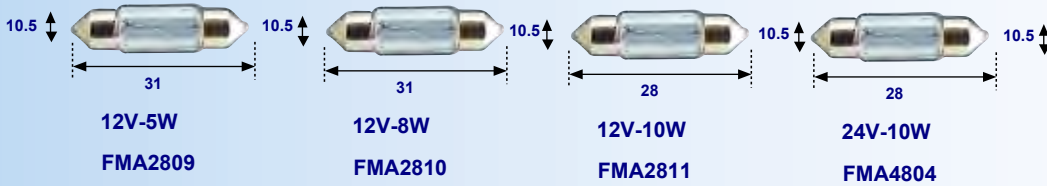
## SV6 6V - 12V - 24V



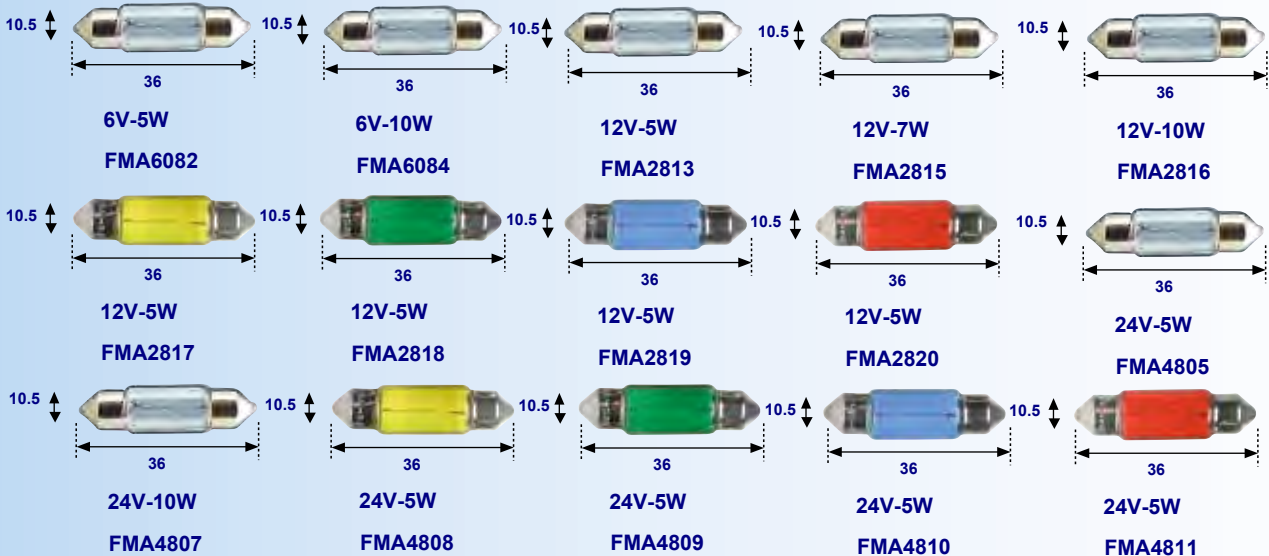
## SV7 8 x 31 / 8 x 38 6V - 12V - 24V



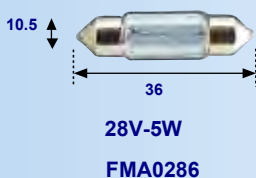
## SV8.5 10.5 x 31 12V - 24V Japans



## SV8.5 10.5 x 36 6V - 12V - 24V



## SV8.5 10.5 x 36 - 28V



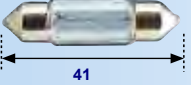
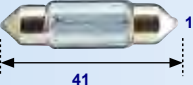
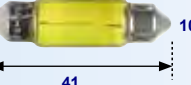







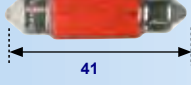

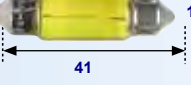





## SV8.5 10.5 x 41 6V



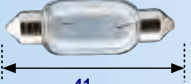
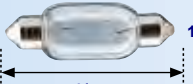





-  Buis/festoon lampen
-  Festoon lamps
-  Soffittenlampen
-  Lampes navettes



**SV8.5 10.5 x 41 6V - 12V - 24V - 28V**

 10.5 41 12V-5W FMA2822	 10.5 41 12V-10W FMA2823	 10.5 41 12V-10W FMA2824	 10.5 41 12V-10W FMA2825	 10.5 41 12V-10W FMA2826
 10.5 41 12V-10W FMA2827	 10.5 41 24V-5W FMA4813	 10.5 41 24V-5W FMA4818	 10.5 41 24V-5W FMA4819	 10.5 41 24V-5W FMA4820
 10.5 41 24V-5W FMA4821	 10.5 41 24V-10W FMA4814	 10.5 41 24V-10W FMA4823	 10.5 41 24V-10W FMA4824	 10.5 41 24V-10W FMA4825
 10.5 41 24V-10W FMA4826	 10.5 41 28V-5W FMA0292	 10.5 41 28V-10W FMA0293		

**SV8.5 15 x 41 6V - 12V - 24V**

 15 41 6V-15W FMA6085	 15 41 12V-15W FMA2829	 15 41 12V-18W FMA2830	 15 41 12V-21W FMA2831	 15 41 24V-15W FMA4815
 15 41 24V-18W FMA4816	 15 41 24V-21W FMA4817			

**SV8.5 10.5 x 43 - 12V**

  
10.5  
43  
12V-21CP  
FMA2836


GE577

**SV10 15 x 43 - 12V**

  
15  
43  
12V-12CP  
FMA2832

GE561

**SV11 11 x 41 - 12V**

  
15  
43  
6V-10W  
FMA2834



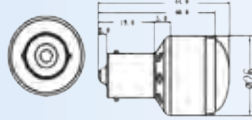
-  Speciale & navigatie lampen
-  Special & navigation lamps
-  Spezial & navigation Lampen
-  Lampes speciale & navigation

## Back-Up Alarm lamp BA15s

12V / 24V

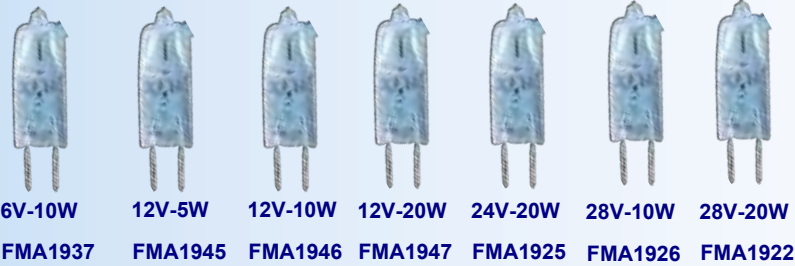


12V-21W  
BACK BUZZER  
HALOGEEN  
FMA2287



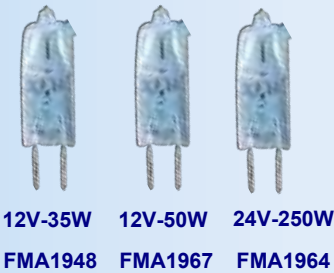
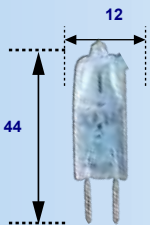
24V-21W  
BACK BUZZER  
HALOGEEN  
FMA4287

## G4 9x33 6V-12-24-28V



6V-10W FMA1937    12V-5W FMA1945    12V-10W FMA1946    12V-20W FMA1947    24V-20W FMA1925    28V-10W FMA1926    28V-20W FMA1922

## G6.35-GY6.35 12x44 12V-24V



12V-35W FMA1948    12V-50W FMA1967    24V-250W FMA1964

## E10 11.5x25 12-24V



12V-3W FMA2756    12V-6W FMA2757    24V-3W FMA4750    24V-6W FMA4751

## BA9s 24x12 12-24V



12V-3W FMA2758    12V-6W FMA2759    24V-3W FMA4753    24V-6W FMA4754

-  ReserVELamp sets
-  Spare kits
-  Ersatzkästen
-  Boîtes de secours

## H1 12V - blade fuses

12V - amber - blade fuses

12V - mini fuses

12V - amber - mini fuses



H1 12V-55W  
12V-21W BA15S  
12V-21/5W BAY15D  
12V-5W BA15S  
12V-5W T10  
10A blade fuse  
15A blade fuse



H1 12V-55W  
12V-21W BAU15S  
12V-21/5W BAY15D  
12V-5W BA15S  
12V-5W T10  
10A blade fuse  
15A blade fuse



H1 12V-55W  
12V-21W BA15S  
12V-21/5W BAY15D  
12V-5W BA15S  
12V-5W T10  
10A mini fuse  
15A mini fuse



H1 12V-55W  
12V-21W BAU15S  
12V-21/5W BAY15D  
12V-5W BA15S  
12V-5W T10  
10A mini fuse  
15A mini fuse

-  Reservelamp sets
-  Spare kits
-  Ersatzkästen
-  Boîtes de secours

**H4** 12V - blade fuses    12V - amber - blade fuses    12V - mini fuses    12V - amber - mini fuses



FMA2904

H4 12V-60/55W  
12V-5W BA15S  
12V-21W BA15S  
12V-21/5W BAY15D  
12V-5W T10  
10A blade fuse  
15A blade fuse



FMA2905

H4 12V-60/55W  
12V-5W BA15S  
12V-21W BAU15S  
12V-21/5W BAY15D  
12V-5W T10  
10A blade fuse  
15A blade fuse



FMA2906

H4 12V-60/55W  
12V-5W BA15S  
12V-21W BA15S  
12V-21/5W BAY15D  
12V-5W T10  
10A mini fuse  
15A mini fuse



FMA2907

H4 12V-60/55W  
12V-5W BA15S  
12V-21W BAU15S  
12V-21/5W BAY15D  
12V-5W T10  
10A mini fuse  
15A mini fuse

**H7** 12V - blade fuses    12V - amber - blade fuses    12V - mini fuses    12V - amber - mini fuses



FMA2908

H7 12V-55W  
12V-5W BA15S  
12V-21W BA15S  
12V-21/5W BAY15D  
12V-5W T10  
10A blade fuse  
15A blade fuse



FMA2909

H7 12V-55W  
12V-5W BA15S  
12V-21W BAU15S  
12V-21/5W BAY15D  
12V-5W T10  
10A blade fuse  
15A blade fuse



FMA2910

H7 12V-55W  
12V-5W BA15S  
12V-21W BA15S  
12V-21/5W BAY15D  
12V-5W T10  
10A mini fuse  
15A mini fuse



FMA2911

H7 12V-55W  
12V-5W BA15S  
12V-21W BAU15S  
12V-21/5W BAY15D  
12V-5W T10  
10A mini fuse  
15A mini fuse

**H7/H1** 12V - blade fuses    12V - amber - blade fuses    12V - mini fuses    12V - amber - mini fuses



FMA2912

H7 12V-55W  
H1 12V-55W  
12V-5W BA15S  
12V-21W BA15S  
12V-21/5W BAY15D  
12V-5W T10  
10A blade fuse  
15A blade fuse



FMA2913

H7 12V-55W  
H1 12V-55W  
12V-5W BA15S  
12V-21W BAU15S  
12V-21/5W BAY15D  
12V-5W T10  
10A blade fuse  
15A blade fuse



FMA2914

H7 12V-55W  
H1 12V-55W  
12V-5W BA15S  
12V-21W BA15S  
12V-21/5W BAY15D  
12V-5W T10  
10A mini fuse  
15A mini fuse



FMA2915

H7 12V-55W  
H1 12V-55W  
12V-5W BA15S  
12V-21W BAU15S  
12V-21/5W BAY15D  
12V-5W T10  
10A mini fuse  
15A mini fuse

-  Reservelamp sets
-  Spare kits
-  Ersatzkästen
-  Boîtes de secours

## 24V un. spare kit - blade fuses

### H4



FMA4900

- 2x H424V-70-75W
- 2x 24V-5W BA15S
- 4x 24V-21W BA15S
- 2x 24V-21/5W BAY15D
- 2x 24V-5W SV8.5 11x36
- 2x 24V-4W BA9S
- 4x blade fuse 10A
- 4x blade fuse 15A
- 2x blade fuse 20A
- 2x blade fuse 25A
- 2x blade fuse 30A

### H7



FMA4901

- 2x H7 24V-70W
- 2x 24V-5W BA15S
- 4x 24V-21W BA15S
- 2x 24V-21/5W BAY15D
- 2x 24V-5W SV8.5 11x36
- 2x 24V-4W BA9S
- 4x blade fuse 10A
- 4x blade fuse 15A
- 2x blade fuse 20A
- 2x blade fuse 25A
- 2x blade fuse 30A

### H7/H1/H3



FMA4904

- 1x H7 24V-70W
- 1x H1 24V-70W
- 1x H3 24V-70W
- 2x 24V-5W BA15S
- 3x 24V-21W BA15S
- 2x 24V-21W BAU15S AMBER
- 2x 24V-3W T10
- 2x 24V-5W T10
- 4x blade fuse 10A
- 3x blade fuse 15A
- 1x blade fuse 20A

## Spare kit box - H7 - 24V



FMA4908

- 1x H7 24V-70W
- 1x 24V-5W BA15S
- 1x 24V-21W BA15S
- 1x 24V-21/5W BAY15D
- 1x 24V-5W T10
- 1x 10A blade fuse
- 1x 15A blade fuse

## Spare kit box - empty

FMA4999







## Special spare kits - on request



Sparekit H7 Amber for Peugeot

- H7 12V-55W
- 12V-5W BA15S
- 12V-21W BA15S
- 12V-21W BAU15S
- 12V-21/5W BAY15D
- 12V-5W SV8.5 11x36
- 12V-5W T10
- 5A mini fuse
- 10A mini fuse
- 15A mini fuse
- 20A mini fuse

FMA2922

-  Autolampenkasten
-  Sales standard
-  Autolampenschrank
-  Présentoir



## Autolampenkast 12V met 240 courante lampen

Art.nr. FMA-12V

inhoud	FMA nr	omschrijving
10 x	FMA2000	12V-55W H1 ST P14.5S
10 x	FMA2026	12V-60/55W H4 ST P43T
20 x	FMA2048	12V-55W H7 LL HD PX26D
10 x	FMA2301	12V-21/5W BAY15D
10 x	FMA2310	12V-21/4W BAZ15D
10 x	FMA2352	12V-21W BA15S
10 x	FMA2354	12V-21W BA15S AMBER
10 x	FMA2362	12V-21W BAU15S AMBER
10 x	FMA2400	12V-5W BA15S
10 x	FMA2402	12V-10W BA15S
10 x	FMA2506	12V-4W BA9S
10 x	FMA2537	12V-1.2W T5 W2X4.6D
10 x	FMA2545	12V-2W T5 W2X4.6D
10 x	FMA2553	12V-3W T10 W2.1X9.5D
10 x	FMA2561	12V-5W T10 W2.1X9.5D
10 x	FMA2564	12V-5W T10 W2.1X9.5D AMBER
10 x	FMA2583	12V-16W T15 W2.1X9.5D
10 x	FMA2585	12V-21W T20 W3X16D
10 x	FMA2811	12V-10W SV8.5 10X31
10 x	FMA2813	12V-5W SV8.5 10.5X36
10 x	FMA2816	12V-10W SV8.5 10.5X36
10 x	FMA2822	12V-5W SV8.5 11X41
10 x	FMA2823	12V-10W SV8.5 11X41



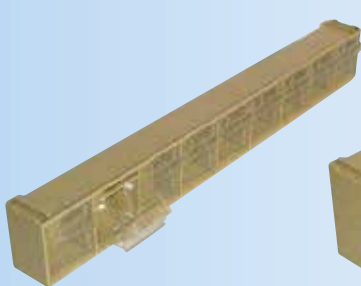
Autolampenkasten  
Sales standard  
Autolampenschrank  
Présentoir

**Autolampenkast leeg met 24 vakken**

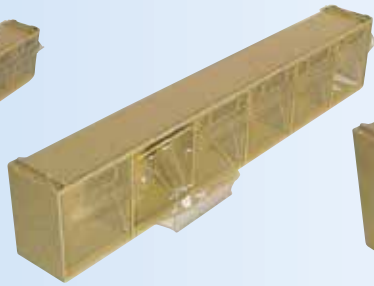


Art.nr. FMAKAST

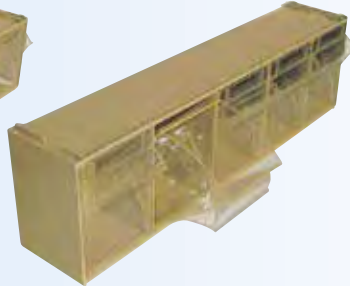
**Multi Store**



**MULTISTORE NR9**  
600x77x62  
FMA9MS



**MULTISTORE NR6**  
600x113x91  
FMA6MS



**MULTISTORE NR5**  
600x164x133  
FMA5MS



**MULTISTORE NR4**  
600x207x168  
FMA4MS



**FRAME 70CM**  
FMA70FR





# ***mato***



# 2



**Autokabel**



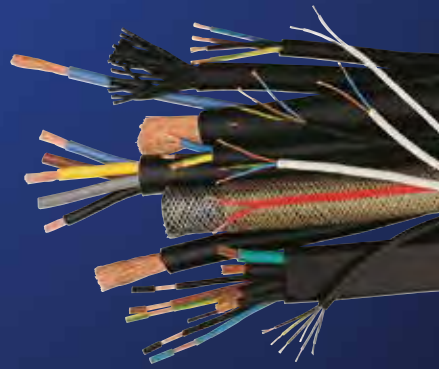
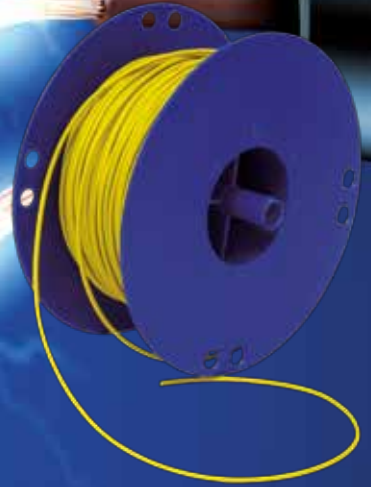
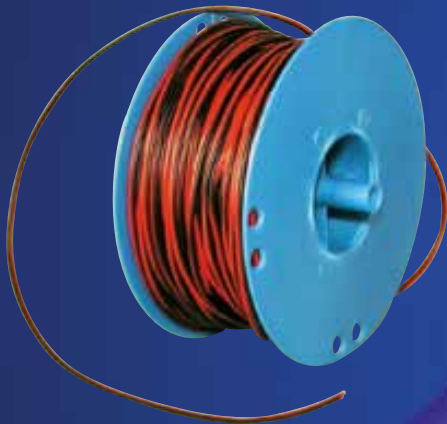
**Automotive wire**







**Fahrzeugleitung**



**Câble automobile**






-  Montagesnoer PVC - Dun Wandig
-  Automotive wire - single core - PVC - Thin Wall
-  Fahrzeugleitung - einadrig - PVC
-  Câble automobile - monoconducteur - PVC

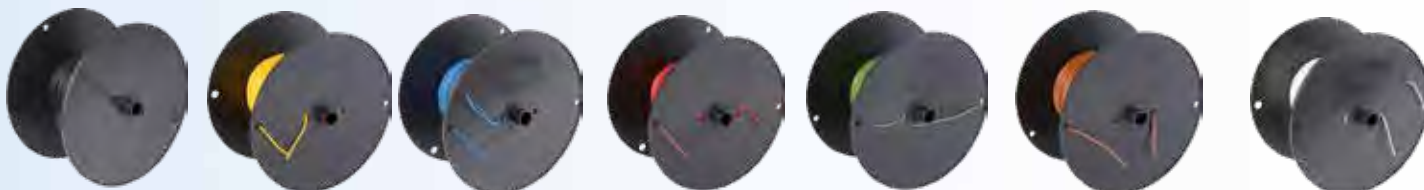
DIN/EN 13602

ISO 6722 -C8

 -40°C / +105°C  
 50V  
 2000V



**0.22 qmm - FLRY-A - Ø 1.1 -1.2 mm - mΩ/m 84.8**



D00700 ● 100 m   D00701 ● 100 m   D00702 ● 100 m   D00703 ● 100 m   D00704 ● 100 m   D00705 ● 100 m   D00706 ● 100 m

**0.35 qmm - FLRY-A - Ø 1.2 -1.3 mm - mΩ/m 52.0**



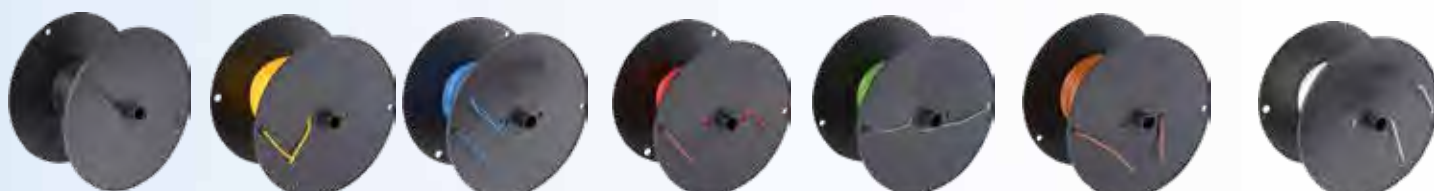
D00711 ● 100 m   D00712 ● 100 m   D00713 ● 100 m   D00714 ● 100 m   D00715 ● 100 m   D00716 ● 100 m   D00717 ● 100 m

**0.50 qmm - FLRY-A - Ø 1.4 -1.6 mm - mΩ/m 37.1**



D00721 ● 100 m   D00722 ● 100 m   D00723 ● 100 m   D00724 ● 100 m   D00725 ● 100 m   D00726 ● 100 m   D00727 ● 100 m



**0.75 qmm - FLRY-B - Ø 1.7 - 1.9 mm - mΩ/m 24.7**



D00731 ● 100 m   D00732 ● 100 m   D00733 ● 100 m   D00734 ● 100 m   D00735 ● 100 m   D00736 ● 100 m   D00737 ● 100 m

Standards & Specifications: BMW : GS 95007-1 - VW : 60306 - DBL : 6312 / MB 22014 - Ford : WSK 1A348A2

LV : 112 - MAN : 3135 - Bosch : 5 998 340 - Fiat : 91107/13 - 91107/18

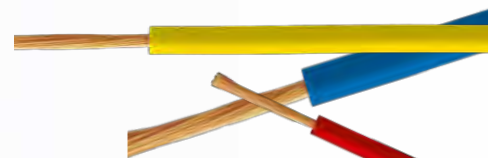
-  Wandkabelrek
-  Walldisplay
-  Kabelwandhalter
-  Câble display





REK.200

Rek leeg 60 cm art.nr. REK.201

Rek leeg 90 cm art.nr. REK.202



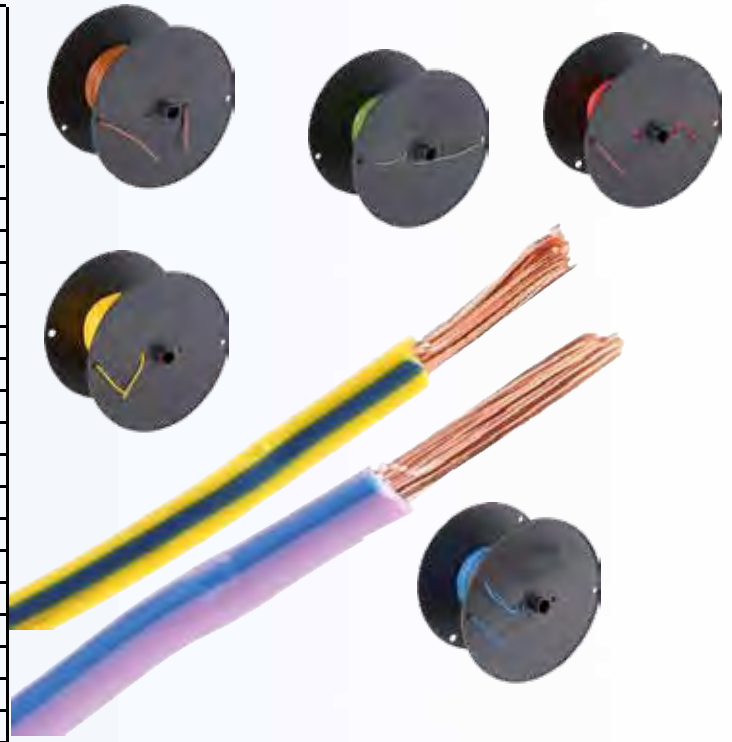
 Montagesnoer PVC - Dun Wandig  
 Automotive wire - single core - PVC - Thin Wall  
 Fahrzeugleitung - einadrig - PVC  
 Câble automobile - monoconducteur - PVC





DIN/EN 60228:2005  -40°C / +105°C  
 ISO 6722-1:2011  50V  
 2000V

**Donné**  
**graad**

0.50 qmm - FLRY-B - Ø 1.4 -1.6 mm - 11A - Maximum Loading: 12V - 132W / 24V - 264W VPE 100 mtr.

Art.nr	Omschrijving
610649	Montagesnoer 0.50 Groen/Geel
610686	Montagesnoer 0.50 Geel/Groen
615965	Montagesnoer 0.50 Oranje/Zwart
615966	Montagesnoer 0.50 Oranje/Wit
61052501	Montagesnoer 0.50 Zwart/wit
61052502	Montagesnoer 0.50 Zwart/groen
61052510	Montagesnoer 0.50 Zwart/Rood
61054901	Montagesnoer 0.50 Rood/Blauw
61054902	Montagesnoer 0.50 Rood/Zwart
61056301	Montagesnoer 0.50 Wit/geel
61056302	Montagesnoer 0.50 Wit/Zwart
61058701	Montagesnoer 0.50 Blauw/zwart
61060001	Montagesnoer 0.50 Geel/Bruin
61060002	Montagesnoer 0.50 Geel/Wit
61060003	Montagesnoer 0.50 Geel/zwart
61060006	Montagesnoer 0.50 Geel/Blauw
610624/02	Montagesnoer 0.50 Grijs/zwart
610648/01	Montagesnoer 0.50 Groen/Wit
616008/01	Montagesnoer 0.50 Paars/Wit
616008/02	Montagesnoer 0.50 Paars/Rood



 Montagesnoer PVC - Dun Wandig  
 Automotive wire - single core - PVC - Thin Wall  
 Fahrzeugleitung - einadrig - PVC  
 Câble automobile - monoconducteur - PVC





DIN/EN 60228:2005  -40°C / +105°C  
 ISO 6722-1:2011  50V  
 2000V

**Donné**  
**graad**

0.75 qmm - FLRY-B - Ø 1.5 -1.75 mm - 14A - Maximum Loading: 12V - 168W / 24V - 336W VPE 100 mtr.

Art.nr	Omschrijving
610945	Montagesnoer 0.75 Geel/Groen
61078502	Montagesnoer 0.75 Zwart/Groen
61078503	Montagesnoer 0.75 Zwart/Blauw
61080807	Montagesnoer 0.75 Rood/Groen
61080811	Montagesnoer 0.75 Rood/Grijs
61080901	Montagesnoer 0.75 mm <sup>2</sup> Groen/Zwart
61084602	Montagesnoer 0.75 mm <sup>2</sup> Blauw/Wit
61084603	Montagesnoer 0.75 mm <sup>2</sup> Blauw/Geel
61084604	Montagesnoer 0.75 mm <sup>2</sup> Blauw/Rood
61084605	Montagesnoer 0.75 mm <sup>2</sup> Rood/Grijs
61084609	Montagesnoer 0.75 mm <sup>2</sup> Blauw/Zwart
61090701	Montagesnoer 0.75 mm <sup>2</sup> Grijs/Zwart
61092101	Montagesnoer 0.75 mm <sup>2</sup> Bruin/Wit
610809/07	Montagesnoer 0.75 mm <sup>2</sup> Groen/bruin



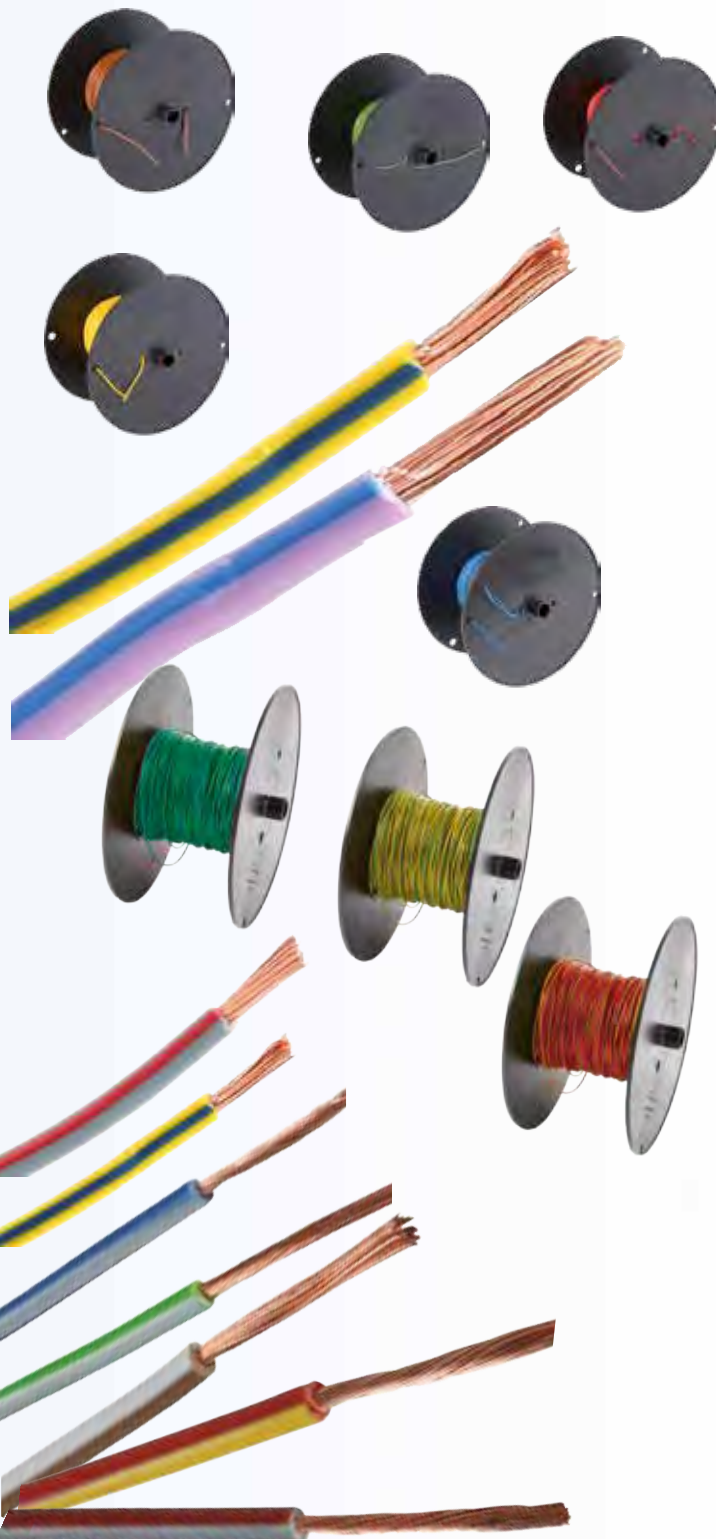
-  Montagesnoer PVC - Dun Wandig
-  Automotive wire - single core - PVC - Thin Wall
-  Fahrzeugsleitung - einadrig - PVC
-  Câble automobile - monoconducteur - PVC





DIN/EN 60228:2005  -40°C / +105°C  
 ISO 6722-1:2011  50V  
 2000V



**1.00 qmm - FLRY-B - Ø 1.75 -1.95 mm - 16.5A - Maximum Loading: 12V - 198W / 24V - 396W - VPE 100 mtr.**

Art.nr	Omschrijving
61106501	Montagesnoer 1.00 mm <sup>2</sup> Rood/Wit
61106502	Montagesnoer 1.00 mm <sup>2</sup> Rood/Zwart
61106503	Montagesnoer 1.00 mm <sup>2</sup> Rood/Geel
61106506	Montagesnoer 1.00 mm <sup>2</sup> Rood/Blauw
61106507	Montagesnoer 1.00 mm <sup>2</sup> Rood/Bruin
61106511	Montagesnoer 1.00 mm <sup>2</sup> Rood/Grijs
61142201	Montagesnoer 1.00 mm <sup>2</sup> Grijs/Zwart
611041/01	Montagesnoer 1.00 mm <sup>2</sup> Zwart/Wit
611041/02	Montagesnoer 1.00 mm <sup>2</sup> Zwart/Grijs
611041/03	Montagesnoer 1.00 mm <sup>2</sup> Zwart/Groen
611041/04	Montagesnoer 1.00 mm <sup>2</sup> Zwart/rood
611041/06	Montagesnoer 1.00 mm <sup>2</sup> Zwart/blauw
611041/12	Montagesnoer 1.00 mm <sup>2</sup> Zwart/Paars
611089/02	Montagesnoer 1.00 mm <sup>2</sup> Wit/Zwart
611089/03	Montagesnoer 1.00 mm <sup>2</sup> Wit/Geel
611089/04	Montagesnoer 1.00 mm <sup>2</sup> Wit/Rood
611089/06	Montagesnoer 1.00 mm <sup>2</sup> Wit/Blauw
611089/07	Montagesnoer 1.00 mm <sup>2</sup> Wit/Bruin
611089/08	Montagesnoer 1.00 mm <sup>2</sup> Wit/Grijs
611102/01	Montagesnoer 1.00 mm <sup>2</sup> Blauw/Wit
611102/02	Montagesnoer 1.00 mm <sup>2</sup> Blauw/Zwart
611102/03	Montagesnoer 1.00 mm <sup>2</sup> Blauw/Geel
611102/04	Montagesnoer 1.00 mm <sup>2</sup> Blauw/rood
611102/07	Montagesnoer 1.00 mm <sup>2</sup> Blauw/Paars
611102/08	Montagesnoer 1.00 mm <sup>2</sup> Blauw/Roze
611126/04	Montagesnoer 1.00 mm <sup>2</sup> Geel / rood
611140/01	Montagesnoer 1.00 mm <sup>2</sup> Wit/Grijs
611140/04	Montagesnoer 1.00 mm <sup>2</sup> Grijs/Rood
611164/02	Montagesnoer 1.00 mm <sup>2</sup> Groen/Zwart
611164/03	Montagesnoer 1.00 mm <sup>2</sup> Groen/Wit
611164/04	Montagesnoer 1.00 mm <sup>2</sup> Groen/Rood
611164/05	Montagesnoer 1.00 mm <sup>2</sup> Groen/Geel
611164/06	Montagesnoer 1.00 mm <sup>2</sup> Wit/Groen
611164/07	Montagesnoer 1.00 mm <sup>2</sup> Groen/Bruin
611188/01	Montagesnoer 1.00 mm <sup>2</sup> Bruin/Wit
611188/02	Montagesnoer 1.00 mm <sup>2</sup> Bruin/Blauw
611188/03	Montagesnoer 1.00 mm <sup>2</sup> Bruin/Geel
611188/04	Montagesnoer 1.00 mm <sup>2</sup> Bruin/Rood
611188/09	Montagesnoer 1.00 mm <sup>2</sup> Bruin/Groen
616565/01	Montagesnoer 1.00 mm <sup>2</sup> Oranje/Wit
616565/02	Montagesnoer 1.00 mm <sup>2</sup> Oranje/Zwart
616565/03	Montagesnoer 1.00 mm <sup>2</sup> Oranje/Geel
616589/01	Montagesnoer 1.00 mm <sup>2</sup> Roze/Wit
616602/02	Montagesnoer 1.00 mm <sup>2</sup> Paars/Zwart



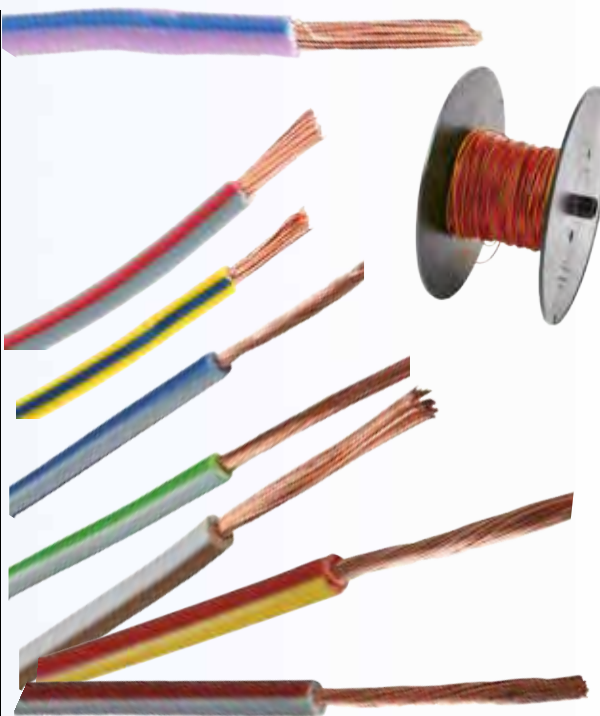
-  Montagesnoer PVC - Dun Wandig
-  Automotive wire - single core - PVC - Thin Wall
-  Fahrzeugleitung - einadrig - PVC
-  Câble automobile - monoconducteur - PVC

DIN/EN 60228:2005  -40°C / +105°C  
 ISO 6722-1:2011  50V  
 2000V



**1.50 qmm - FLRY-B - Ø 2.10 - 2.30 mm - 21.0A - Maximum Loading: 12V - 252W / 24V - 504W - VPE 100 mtr.**

Art.nr	Omschrijving
611300/01	Montagesnoer 1.50 mm <sup>2</sup> Zwart /wit
611300/03	Montagesnoer 1.50 mm <sup>2</sup> Zwart /Geel
611300/04	Montagesnoer 1.50 mm <sup>2</sup> Zwart/Rood
611300/06	Montagesnoer 1.50 mm <sup>2</sup> Zwart /blauw
611324/01	Montagesnoer 1.50 mm <sup>2</sup> Rood/Wit
611324/02	Montagesnoer 1.50 mm <sup>2</sup> Rood/Zwart
611324/03	Montagesnoer 1.50 mm <sup>2</sup> Rood/Geel
611324/06	Montagesnoer 1.50 mm <sup>2</sup> Rood/Blauw
611348/04	Montagesnoer 1.50 mm <sup>2</sup> Wit/rood
611362/01	Montagesnoer 1.50 mm <sup>2</sup> Blauw/Wit
611362/02	Montagesnoer 1.50 mm <sup>2</sup> Blauw/zwart
611362/03	Montagesnoer 1.50 mm <sup>2</sup> Blauw/Geel
611362/04	Montagesnoer 1.50 mm <sup>2</sup> Blauw/rood
611386/01	Montagesnoer 1.50 mm <sup>2</sup> Geel/Wit
611409/02	Montagesnoer 1.50 mm <sup>2</sup> Grijs /Zwart
611423/01	Montagesnoer 1.50 mm <sup>2</sup> Groen/Wit
611423/02	Montagesnoer 1.50 mm <sup>2</sup> Groen /zwart
611447/01	Montagesnoer 1.50 mm <sup>2</sup> Bruin /wit
611447/06	Montagesnoer 1.50 mm <sup>2</sup> Bruin /blauw
616862/01	Montagesnoer 1.50 mm <sup>2</sup> Oranje/Zwart



**2.00 qmm - FLRY-B - Ø 2.35 - 2.55 mm - 25.0A - Maximum Loading: 12V - 300W / 24V - 600W - VPE 100 mtr.**

Art.nr	Omschrijving
611560/03	Montagesnoer 2.00 mm <sup>2</sup> Zwart/Geel
611560/04	Montagesnoer 2.00 mm <sup>2</sup> Zwart/Rood
611560/06	Montagesnoer 2.00 mm <sup>2</sup> Zwart/Blauw
611584/02	Montagesnoer 2.00 mm <sup>2</sup> Rood/Zwart
611584/03	Montagesnoer 2.00 mm <sup>2</sup> Rood/Geel
611621/03	Montagesnoer 2.00 mm <sup>2</sup> Blauw /Geel
611621/04	Montagesnoer 2.00 mm <sup>2</sup> Blauw /rood
611669/02	Montagesnoer 2.00 mm <sup>2</sup> Grijs/Zwart
611706/01	Montagesnoer 2.00 mm <sup>2</sup> Bruin/Wit
611706/02	Montagesnoer 2.00 mm <sup>2</sup> Bruin/Geel



**2.50 qmm - FLRY-B - Ø 2.58 - 2.75 mm - 29.0A - Maximum Loading: 12V - 348W / 24V - 696W - VPE 100 mtr.**

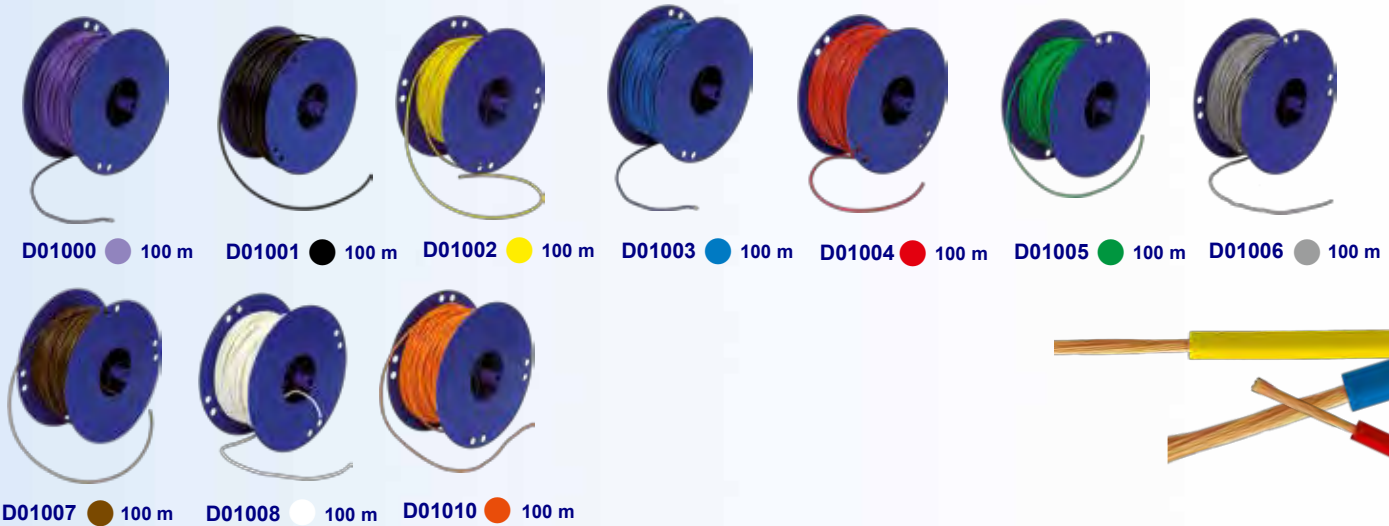
Art.nr	Omschrijving
611584/04	Montagesnoer 2.50 mm <sup>2</sup> Rood/Blauw
611607/02	Montagesnoer 2.50 mm <sup>2</sup> Wit/Zwart
611683/05	Montagesnoer 2.50 mm <sup>2</sup> Groen/Geel



**0.50 qmm - VMDS - H05V-K - Ø 2.2 mm - 3 amp.**







**0.75 qmm - VMDS - H05V-K - Ø 2.4 mm - 6 amp.**






**1.00 qmm - VMDS - H05V-K - TW - Ø 1.95 mm - 10 amp.**



 Montagesnoer PVC  
 Automotive wire - single core - PVC  
 Fahrzeugleitung - einadrig - PVC  
 Câble automobile - monoconducteur - PVC

NEN: VDMf 300/500  
 CLC: H05V-K  
 IEC: 60227 IEC 06

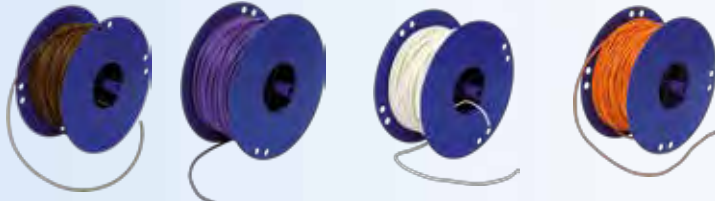
 +5°C / +50°C  
 50V  
 2000V



1.00 qmm - VMDS - H05V-K - Ø 2.6 mm - 10 amp.



D01009 ● 100 m   D01011 ● 100 m   D01012 ● 100 m   D01013 ● 100 m   D01014 ● 100 m   D01015 ● 100 m   D01016 ● 100 m



D01017 ● 100 m   D01034 ● 100 m   D01065 ● 100 m   D01068 ● 100 m



1.50 qmm - FLK - Ø 2.8 mm - 15 amp.



D01018 ● 50 m   D01019 ● 50 m   D01020 ● 50 m   D01021 ● 50 m   D01022 ● 50 m



D01023 ● 50 m   D01024 ● 50 m   D01025 ● 50 m   D01028 ● 100 m   D01029 ● 100 m



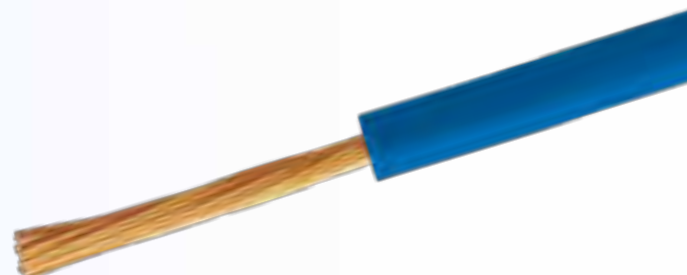
D01061 ● 100 m   D01070 ● 50 m   D01071 ● 50 m   D01072 ● 50 m   D01073 ● 50 m







D01074 ● 50 m   D01075 ● 50 m   D01076 ● 50 m   D01077 ● 50 m   D01078 ● 50 m



D01079 ● 50 m   D01073/100 ● 100 m



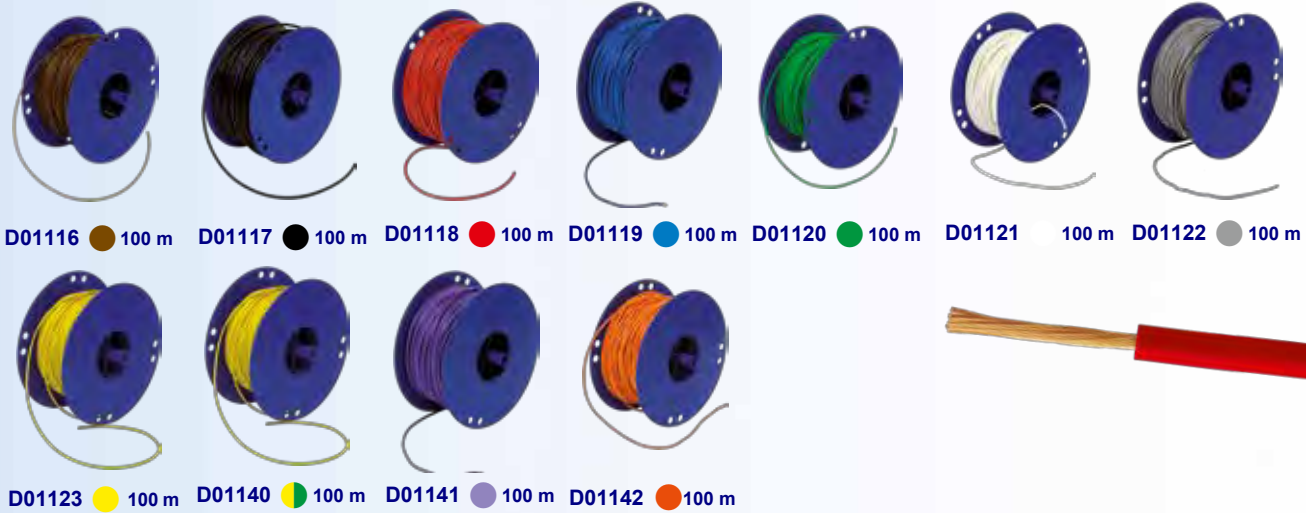
-  Montagesnoer PVC
-  Automotive wire - single core - PVC
-  Fahrzeugleitung - einadrig - PVC
-  Câble automobile - monoconducteur - PVC





NEN: VDMf 450/750  
IEC: 60227 IEC 02  
NEN 1010

 +5°C / +50°C  
 50V  
 2000V






**1.50 qmm - FLK - Ø 2.8 mm - 15 amp.**







-  Montagesnoer PVC dubbel geïsoleerd
-  Automotive wire - single core - PVC
-  Fahrzeugleitung - einadrig - PVC
-  Câble automobile - monoconducteur - PVC

NEN: VDMf 450/750  
IEC: 60227 IEC 02  
NEN 1010




 +5°C / +50°C  
 50V  
 2000V

**1.50 qmm - FLK - Ø 4.0 mm - 15 amp.**







-  Montagesnoer PVC
-  Automotive wire - single core - PVC
-  Fahrzeugleitung - einadrig - PVC
-  Câble automobile - monoconducteur - PVC

NEN: VDMf 450/750  
IEC: 60227 IEC 02  
NEN 1010

 +5°C / +50°C  
 50V  
 2000V

**2.50 qmm - FLK - Ø 3.5 mm - 21 amp.**



 Montagesnoer PVC  
 Automotive wire - single core - PVC  
 Fahrzeugleitung - einadrig - PVC  
 Câble automobile - monoconducteur - PVC

NEN: VDMf 450/750  
 IEC: 60227 IEC 02  
 NEN 1010

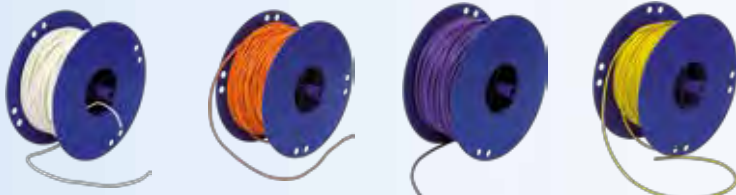
 +5°C / +50°C  
 50V  
 2000V



2.50 qmm - FLK - Ø 3.5 mm - 21 amp.



D01124 ● 100 m   D01125 ● 100 m   D01126 ● 100 m   D01127 ● 100 m   D01128 ● 100 m   D01129 ● 100 m   D01134 ● 100 m



D01135 ● 100 m   D01136 ● 100 m   D01137 ● 100 m   D01138 ● 100 m



4.0 qmm - VDS - H07V-K - Ø 4.2 mm - 28 amp.



D01046 ● 50 m   D01047 ● 50 m   D01048 ● 50 m   D01049 ● 50 m   D01080 ● 50 m



D01051 ● 50 m   D01052 ● 100 m   D01053 ● 50 m   D01050 ● 50 m   D01180 ● 50 m   D01181 ● 50 m

6.0 qmm - VDS - H07V-K - Ø 4.9 mm - 36 amp.



D01054 ● 50 m   D01056 ● 100 m   D01057 ● 50 m   D01058 ● 50 m   D01059 ● 50 m







D01060 ● 100 m   D01069 ● 100 m



D01055 ● 50 m   D01182 ● 50 m   D01183 ● 50 m





-  PVC Starterkabel
-  PVC Starter cable
-  PVC Batterie/Anlasserkabel
-  PVC Câble de démarrage

NEN: Vdf 450/750  
 CLC: H07V-K IEC:  
 227 IEC 02  
 NEN 1010

 +5°C / +50°C  
 450/750V  
 2500V



10.0 qmm - VDS - Ø 6.5 mm - 50 amp.

16.0 qmm - VDS - Ø 7.8 mm - 68 amp.

25.0 qmm - VDS - Ø 10.0 mm - 89 amp.



D04001 ● 25 m

D04002 ● 25 m

D04003 ● 25 m

D04004 ● 25 m

D04005 ● 25 m

D04006 ● 25 m

35.0 qmm - VDS - Ø 11.5 mm - 110 amp.

50.0 qmm - VDS - Ø 13.0 mm - 134 amp.

70.0 qmm - VDS - Ø 15.0 mm - 168 amp.



D04007 ● 25 m

D04014 ● 25 m

D04008 ● 25 m

D04047 ● 25 m

D04009 ● 25 m

D04090 ● 25 m

95.0 qmm - VDS - Ø 17.2 mm - 189 amp.



D04091 ● 25 m

D04092 ● 25 m

Extra soepele uitvoering

Stugge uitvoering / dunne buitenmantel

35.0 qmm - H07V-K - Ø 11.5 mm - 110 amp.

35.0 qmm - VDS - Ø 10.5 mm - 110 amp.







614844/25 ● 25 m

614851/25 ● 25 m

D04007K ● 25 m

D04014K ● 25 m

-  Twinflex Starterkabel
-  Twinflex Starter cable
-  Twinflex Batterie/Anlasserkabel
-  Twinflex Câble de démarrage

NEN: Vdf 450/750  
 CLC: H07V-K IEC:  
 227 IEC 02  
 NEN 1010

 +5°C / +50°C  
 450/750V  
 2500V



2x4.0 qmm

2x6.0 qmm

2x10.0 qmm

2x16.0 qmm

2x25.0 qmm

2x35.0 qmm

D04032 ● 50m

D04033 ● 50m

D04034 ● 50m

D04035 ● 50m

D04037 ● 25m





D04036 ● 25m



2x50.0 qmm

D04038 ● 25m



-  Laskabel / Neopreen
-  Welding cable / Polychloropreen
-  Schweißleitung / Polychloropren
-  Câble à souder / Polychloroprene

NEN: McLzz 100/100  
 CLC: H01N2-D  
 IEC: 245 IEC 8

 -25°C / +50°C  
 1000V  
 2500V



10.0 qmm - NEOPREEN - Ø 6.3 mm



D04001/neopreen ● 100 m

16.0 qmm - PCP - H01N2-D  
 Ø 8.0 mm - 135/145 amp.



D04015 ● 50 m

25.0 qmm - PCP - H01N2-D  
 Ø 9.7 mm - 180/205 amp.



D04016 ● 50 m

35.0 qmm - PCP - H01N2-D  
 Ø 11.3 mm - 225/260 amp.



D04010 ● 50 m

50.0 qmm - PCP - H01N2-D  
 Ø 13.3 mm - 285/350 amp.



D04011 ● 50 m

D04011/100 ● 100 m

70.0 qmm - PCP - H01N2-D  
 Ø 15.5 mm - 350/425 amp.



D04012 ● 50 m

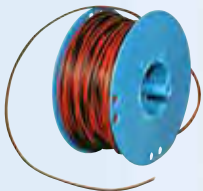


-  Luidsprekerkabel - PVC - meeraderig / plat Loud
-  speaker cable - PVC - multi core / flat
-  Lautsprecherleitung - PVC - mehradrig / flach
-  Câble audio/stereo - PVC - multiconducteur / plat

 +5°C / +50°C  
 450/750V  
 2500V



2x0.5 qmm - PVC  
 Ø 4.0x1.9 mm



D07004 ● 100 m

2x0.75 qmm - PVC  
 Ø 4.8x2.3 mm



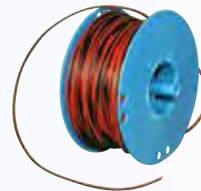
D07005 ● 100 m

2x0.75 qmm - PVC  
 Ø 4.8x2.3 mm



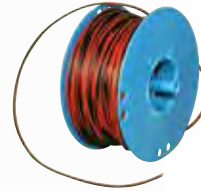
D07005BR-RO ● 50 m

2x1.0 qmm - PVC Ø  
 5.2x2.5 mm



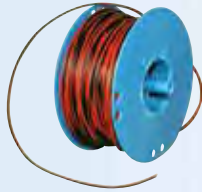
D07010 ● 100 m

2x1.5 qmm - PVC  
 Ø 6.1x2.9 mm



D07011 ● 100m

2x2.5 qmm - PVC  
 Ø 6.8x3.9 mm



D07009 ● 50 m

2x1.5 qmm - PVC  
 Ø 6.1x2.9 mm

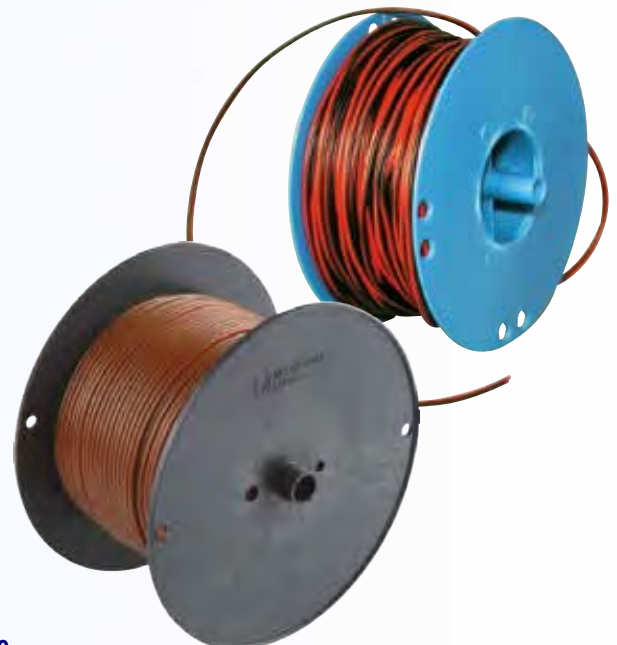









D07006 ⊕ 100 m

2x2.5 qmm - PVC  
 Ø 6.8x3.9 mm



D07007 ⊕ 100 m










-  Bougiekabel - PVC - FLZY  +5°C / +50°C
-  Ignition cable - PVC - FLZY  6000V
-  Zundkabel - PVC - FLZY  15000V
-  Câble à bougie - PVC - FLZY



1.5 qmm - PVC - FLZY  
Ø 7.0 mm - 15 amp.

D05002 ● 50 m



-  Autokabel - PVC - meeraderig / plat  +5°C / +50°C
-  Automotive wire - PVC - multi core / flat  50V
-  Fahrzeugleitung - PVC - mehradrig - flach  2000V
-  Câble automobile - PVC - multiconducteur / plat

2x0.75 qmm - PVC - Ø 4.8x2.3 mm

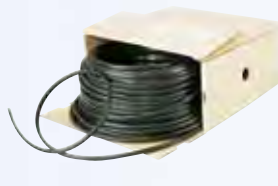


D02075/BR ● 50 m

D02075/RD-ZW ● 50 m

D02075/ZW ● 50 m

2x1.5 qmm - PVC - Ø 7.4x4.3 mm










D02001 ● 50 m

D02011 ● 50 m

D02017 ● 50 m

D02002 ● 50 m

D02018 ● 50 m

-  Autokabel - PVC - meeraderig / rond  +5°C / +50°C
-  Automotive wire - PVC - multi core / round  50V
-  Fahrzeugleitung - PVC - mehradrig - rund  2000V
-  Câble automobile - PVC - multiconducteur / circulaire

2x1.0 qmm - PVC  
Ø 6.8 mm



D03019 - 50 m



3x0.75 qmm - PVC  
Ø 7.2 mm



D03005 - 50 m



3x1.0 qmm - PVC  
Ø 7.2 mm



D03001 - 50 m



4x1.0 qmm - PVC  
Ø 8.0 mm



D03017 - 50 m



5x1.0 qmm - PVC  
Ø 8.9 mm



D03002 - 50 m



7x1.0 qmm - PVC  
Ø 9.7 mm



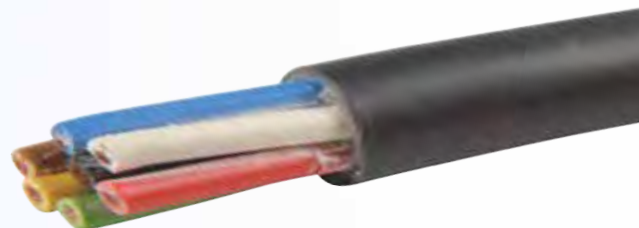
D03003 - 50 m



13x1.0 qmm - PVC  
Ø 12.4 mm



D03048 - 50 m



-  Autokabel - PVC - meeraderig / rond
-  Automotive wire - PVC - multi core / round
-  Fahrzeugleitung - PVC - mehradrig - rund
-  Câble automobile - PVC - multiconducteur / circulaire

 +5°C / +50°C  
 50V  
 2000V



2x1.5 qmm - PVC  
Ø 7.4 mm



D03060 - 30 m



2x1.5 qmm - PVC  
Ø 7.4 mm



D03004 - 50 m



2x1.5 qmm - PVC  
Ø 7.4 mm



D03004/RO-BL - 50 m



3x1.5 qmm - PVC  
Ø 7.9 mm



D03036 - 25 m



3x1.5 qmm - PVC  
Ø 7.9 mm



D03006 - 50 m



4x1.5 qmm - PVC  
Ø 8.8 mm



D03008 - 50 m



5x1.5 qmm - PVC  
Ø 9.8 mm



D03009 - 50 m



7x1.5 qmm - PVC  
Ø 10.8 mm



D03039 - 25 m



7x1.5 qmm - PVC  
Ø 10.8 mm



D03010 - 50 m



9x1.5 qmm - PVC  
Ø 11.7 mm



D03016 - 50 m



13x1.5 qmm - PVC  
Ø 13.5 mm



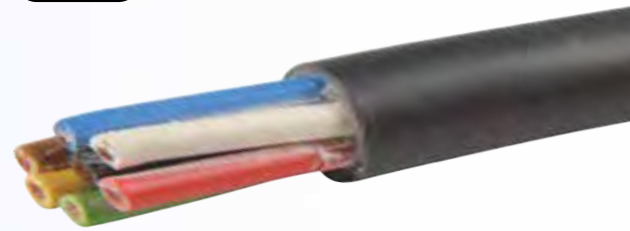
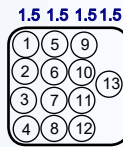
13x1.5 qmm - PVC  
Ø 13.5 mm






D03049 - 25 m



D03049N - 50 m



-  Autokabel - PUR - ADR/GGVS - meeraderig
-  Automotive wire - PUR - ADR/GGVS - multi core
-  Fahrzeugleitung - PUR - ADR/GGVS - mehradrig
-  Câble automobile - PUR - ADR/GGVS - multiconducteur

**FLRYY11Y**  +5°C / +50°C  
**DIN 725705**  KV/5min.  
**ISO 6722**  2000V  
**ISO 4141**

2x1.0 qmm - PUR  
Ø 6.0 mm



D04080 - 25 m



2x1.0 qmm - PUR  
Ø 6.0 mm



D04081 - 25 m



5x1.0 + 1x2.5 qmm PUR  
Ø 9.0 mm



D04082 - 25 m



2.5mm

5x1.0 + 1x2.5 qmm PUR  
Ø 9.0 mm



D04083 - 25 m



2.5mm

8x1.0 + 1x2.5 qmm PUR  
Ø 11.7 mm



D04084 - 25 m

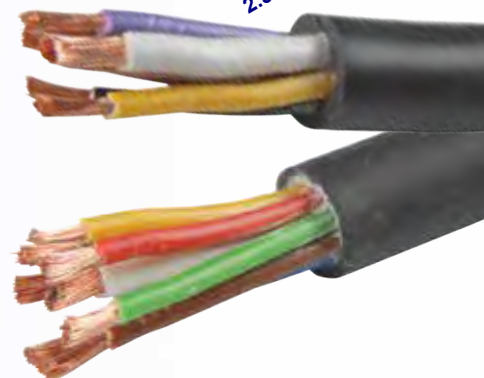
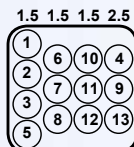


2.5mm

10x1.5 + 3x2.5 qmm PUR  
Ø 14.4 mm



D04080 - 25 m



- Autokabel - ABS / EBS / ADR - PUR - meeraderig
- Automotive wire - ABS / EBS / ADR - PUR - multi core
- Fahrzeugleitung - ABS / EBS / ADR - PUR - mehradrig
- Câble automobile - ABS / EBS / ADR - PUR - multiconducteur

DIN 72570 -40°C / +85°C  
 ISO 7622 50V  
 ISO 4141 1500V



2x4.0 + 3x1.5 qmm  
 ABS - PUR - Ø 12.1 mm



2x4.0 + 3x1.5 + 2x1.5 qmm  
 EBS - Ø 12.1 mm



2x4.0 + 3x1.5 + 2x1.5 qmm  
 EBS - Ø 12.1 mm



9x1.5 + 4x2.5 qmm  
 PUR - Ø 14.4 mm



12x1.5 + 3x2.5 qmm  
 ADR - PUR - Ø 12.1 mm



- Rubberkabel - meeraderig
- Rubbercable - multi core
- Gummischlauchleitung - mehradrig
- Câble caoutchouc - multiconducteur

NEN: RMrL 300/500 +5°C / +50°C  
 CLC: H05RR-F 300/500V  
 IEC: 245 IEC 53 2000V  
 NEN: 1010

2x0.75 qmm - RMrL  
 H05RR-F - Ø 6.0 mm



2x1.5 qmm - RMrL  
 H05RR-F - Ø 9.5 mm



3x1.5 qmm - RMrL  
 H05RR-F - Ø 8.5 mm



4x1.5 qmm - RMrL  
 H05RR-F - Ø 9.5 mm



5x1.5 qmm - RMrL  
 H05RR-F - Ø 10.4 mm



2x2.5 qmm - RMrL  
 H05RR-F - Ø 9.5 mm



3x2.5 qmm - RMrL  
 H05RR-F - Ø 10.1 mm



5x2.5 qmm - RMrL  
 H05RR-F - Ø 12.6 mm



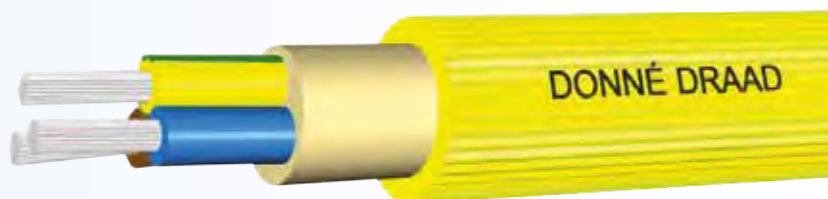
- PUR kabel - meeraderig
- PUR cable - multi core
- PUR Schlauchleitung - mehradrig
- Câble PUR - multiconducteur

NEN: BMqL 450/750 (1.5mm<sup>2</sup>) -40°C / +75°C  
 CLC: H07BQ-F 450/750V  
 IEC: 245 IEC 66 - NEN: 3622 2500V

3x1.5 qmm - BMqL - PUR  
 H07BQ-F - Ø 10.8 mm






3x2.5 qmm - BMqL - PUR  
 H07BQ-F - Ø 10.7 mm



-  Neopreenkabel - meeraderig
-  Polychloropreen cable - multi core
-  Polychloropen Leitung - mehradrig
-  Câble Polychloroprene - multiconducteur

NEN: RMcLz 450/750 (6mm<sup>2</sup>)  
 NEN: RMcLz 450/750 (10mm<sup>2</sup>)  
 CLC: H07RN-F  
 IEC: 245 IEC 66 - NEN: 3622

 -25°C / +50°C  
 450/750V  
 2500V



2x1.5 qmm - PCP - RMcLz  
 H07RN-F - Ø 9.1 mm



D04018 - 100 m 

2x2.5 qmm - PCP - RMcLz  
 H07RN-F - Ø 10.8 mm



D04029 - 100 m 

3x1.5 qmm - PCP - RMcLz  
 H07RN-F - Ø 10.8 mm



D04017 - 100 m 

3x2.5 qmm - PCP - RMcLz  
 H07RN-F - Ø 11.6 mm



D04030 - 100 m 

4x2.5 qmm - PCP - RMcLz  
 H07RN-F - Ø 12.8 mm



D04024 - 100 m 

4x4.0 qmm - PCP - RMcLz  
 H07RN-F - Ø 14.7 mm



D04026 - 50 m 

5x1.5 qmm - PCP - RMcLz  
 H07RN-F - Ø 11.9 mm



D04022 - 100 m 

5x2.5 qmm - PCP - RMcLz  
 H07RN-F - Ø 14.1 mm



D04025 - 100 m 

5x4.0qmm - PCP - RMcLz  
 H07RN-F - Ø 16.4 mm



D04027 - 100 m

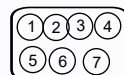


7x1.5 qmm - PCP - RMcLz  
 H07RN-F - Ø 12.9 mm






D04023 - 50 m

1.5



-  Installatiekabel - PVC - meeraderig
-  Installation cable - PVC - multi core
-  Installations Leitung - PVC - mehradrig
-  Câble d'installation - PVC - multiconducteur

NEN: VMvL  
 300/500 CLC:  
 H05VV-F  
 IEC: 227 IEC 53

 +5°C / +50°C  
 300/500V  
 2000V

2x0.75 qmm - PVC - VMvL  
 H05VV-F - Ø 6.3 mm



D03046 - 50 m 

2x1.0 qmm - PVC - VMvL  
 H05VV-F - Ø 6.6 mm



D03028 - 100 m 

2x1.5 qmm - PVC - VMvL  
 H05VV-F - Ø 7.6 mm



D03021 - 100 m 

2x2.5 qmm - PVC - VMvL  
 H05VV-F - Ø 9.3 mm



D03013 - 100 m 

2x4.0qmm - PVC - VMvL  
 H05VV-F - Ø 10.8 mm



VMvL 2x4mm<sup>2</sup> - 100 m 

3x0.75 qmm - PVC - VMvL  
 H05VV-F - Ø 6.6 mm



D03029 - 100 m 

3x1.0 qmm - PVC - VMvL  
 H05VV-F - Ø 7.0 mm



D03023 - 100 m 

3x1.5 qmm - PVC - VMvL  
 H05VV-F - Ø 8.2 mm



D03024 - 100 m 

3x2.5 qmm - PVC - VMvL  
 H05VV-F - Ø 10.1 mm



D03025 - 100 m 

4x0.75 qmm - PVC - VMvL  
 H05VV-F - Ø 7.3 mm

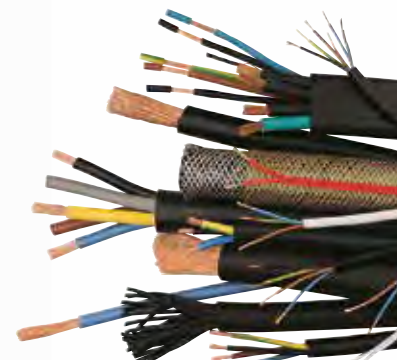


D03047 - 50 m 

4x1.5 qmm - PVC - VMvL  
 H05VV-F - Ø 9.2 mm




D03026 - 100 m 



 Stuurstroomkabel - PVC - SSL / LiYY  
 Control cable - PVC - SSL / LiYY  
 Kontrolleitung - PVC - SSL / LiYY  
 Câble de commande - PVC - SSL / LiYY

NEN: VTS 300/300  
 CLC: H03VH-H  
 IEC: 227 IEC 42

 +5°C / +50°C  
 300V 2000V  




2x0.5 qmm Ø 4.8 mm

5x0.75 qmm Ø 6.7 mm

7x1.0 qmm Ø 8.7 mm

10x1.0 qmm Ø 10.4 mm

10x1.5 qmm Ø 12.4 mm



D05010 - 100 m ●●

D05023 - 100 m ●●

D05031 - 100 m ●●

D05038 - 100 m ●●

D05039 - 100 m ●●

 Stuurstroomkabel - LiYY / LIY-CY / LIYY-Din-41700 / LIY-CY-Din-41700  
 Control cable - LiYY / LIY-CY / LIYY-Din-41700 / LIY-CY-Din-41700  
 Kontrolleitung - LiYY / LIY-CY / LIYY-Din-41700 / LIY-CY-Din-41700  
 Câble de commande - LiYY / LIY-CY / LIYY-Din-41700 / LIY-CY-Din-41700

NEN: VTS 300/300  
 CLC: H03VH-H  
 IEC: 227 IEC 42

 +5°C / +50°C  
 300V 2000V  




### Flexibele Stuurstroom kabel met mantel grijs

verrijgbaar in :	benaming
Standaard: aders zwart genummer en 1 groen/geel	LIYY
standaard + afscherming	LIY-CY
volgens Din: aders gekleurd	LIYY-Din-41700
Volgens Din + afgeschermd	LIY-CY-Din-41700

### Te verkrijgen in de volgende uitvoering

Maat N x mm <sup>2</sup>	buiten dia.Ø mm	LIYY	LIY-CY	LIYY-Din-41700	LIY-CY-Din-41700
2 x 0.14 mm <sup>2</sup>	3,7				x
2 x 0.34 mm <sup>2</sup>	4,8				x
2 x 0.5 mm <sup>2</sup>	4,9	x		x	x
2 x 0.75 mm <sup>2</sup>	5,2	x	x		
2 x 1 mm <sup>2</sup>	5,6	x			
2 x 1.5 mm <sup>2</sup>	6,4	x		x	x
2 x 2.5 mm <sup>2</sup>	7,7	x			
3 x 0.25 mm <sup>2</sup>	4,3	x			x
3 x 0.34 mm <sup>2</sup>	5,2				x
3 x 0.5 mm <sup>2</sup>	5,2	x			
3 x 0.75 mm <sup>2</sup>	5,6	x	x	x	
3 x 1 mm <sup>2</sup>	6,1	x			
3 x 1.5 mm <sup>2</sup>	6,8	x	x	x	x
3 x 2.5 mm <sup>2</sup>	8,3	x			
4 x 0.14mm <sup>2</sup>	4,1				x
4 x 0.25 mm <sup>2</sup>	4,7	x			x
4 x 0.34 mm <sup>2</sup>	5,5		x	x	x
4 x 0.5 mm <sup>2</sup>	5,8	x	x	x	
4 x 0.75 mm <sup>2</sup>	6,3	x	x	x	x
4 x 1 mm <sup>2</sup>	6,6	x	x		x
4 x 1.5 mm <sup>2</sup>	7,3	x	x		x
4 x 2.5 mm <sup>2</sup>	9,1	x			
4 x 4 mm <sup>2</sup>	11	x			
4 x 6 mm <sup>2</sup>	12,8	x			
4 x 10 mm <sup>2</sup>	16,5	x			


**Stuurstroomkabel - LiYY / LIY-CY / LIYY-Din-41700 / LIY-CY-Din-41700**  
**Control cable - LiYY / LIY-CY / LIYY-Din-41700 / LIY-CY-Din-41700**  
**Kontrolleitung - LiYY / LIY-CY / LIYY-Din-41700 / LIY-CY-Din-41700**  
**Câble de commande - LiYY / LIY-CY / LIYY-Din-41700 / LIY-CY-Din-41700**

**NEN: VTS 300/300**  
**CLC: H03VH-H**  
**IEC: 227 IEC 42**


**+5°C / +50°C**  
**300V 2000V**





### Flexibele Stuurstroom kabel met mantel grijs

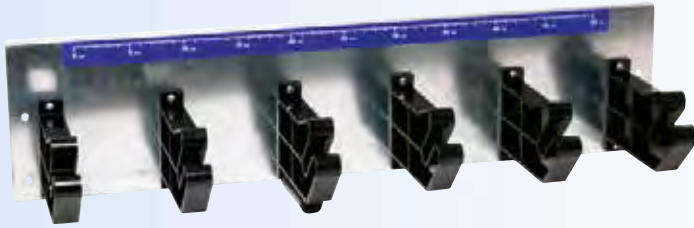
verkrijgbaar in :	benaming
Standaard: anders zwart genummer en 1 groen/geel	LIYY
standaard + afscherming	LIY-CY
volgens Din: anders gekleurd	LIYY-Din-41700
Volgens Din + afgeschermd	LIY-CY-Din-41700

Te verkrijgen in de volgende uitvoering					
Maat N x mm <sup>2</sup>	buiten dia.Ø mm	LIYY	LIY-CY	LIYY-Din-41700	LIY-CY-Din-41700
5 x 0.34 mm <sup>2</sup>	6				x
5 x 0.5 mm <sup>2</sup>	6,3	x		x	x
5 x 0.75 mm <sup>2</sup>	6,8	x	x	x	
5 x 1 mm <sup>2</sup>	7,2	x			x
5 x 1.5 mm <sup>2</sup>	8,3	x	x		
5 x 2.5 mm <sup>2</sup>	10,2	x			
6 x 0.34 mm <sup>2</sup>	6,7		x		
6 x 0.50 mm <sup>2</sup>	7,3			x	
6 x 0.75 mm <sup>2</sup>	7,9	x			
7 x 0.14mm <sup>2</sup>	4,9				x
7 x 0.25 mm <sup>2</sup>	5,7				x
7 x 0.34 mm <sup>2</sup>	6,7	x			x
7 x 0.5 mm <sup>2</sup>	6,8	x		x	
7 x 0.75 mm <sup>2</sup>	8,5	x	x		
7 x 1 mm <sup>2</sup>	8,7	x			
7 x 1.5 mm <sup>2</sup>	9,1	x			
7 x 2.5 mm <sup>2</sup>	11,3	x			
7 x 4,0 mm <sup>2</sup>	13,7	x			
8 x 0.25 mm <sup>2</sup>	6,6				x
8 x 0.34 mm <sup>2</sup>	7,8			x	x
8 x 0.5 mm <sup>2</sup>	7,2		x		x
8 x 0.75 mm <sup>2</sup>	8,9	x	x		
8 x 1.00 mm <sup>2</sup>	9,2	x			
10 x 0.25 mm <sup>2</sup>	7,2				x
10 x 0.75 mm <sup>2</sup>	9,6		x		
10 x 1 mm <sup>2</sup>	10,4	x			
10 x 1.5 mm <sup>2</sup>	11,5	x			
12 x 0.34 mm <sup>2</sup>	8,5			x	
12 x 0.5 mm <sup>2</sup>	9,1	x	x	x	x
12 x 0.75 mm <sup>2</sup>	10,1	x	x		
12 x 1 mm <sup>2</sup>	10,5	x	x		
12 x 1.5 mm <sup>2</sup>	12,2	x			
14 x 1 mm <sup>2</sup>	11,4	x			
14 x 1.5 mm <sup>2</sup>	12,7	x			
16 x 1 mm <sup>2</sup>	12	x			
18 x 0.5 mm <sup>2</sup>	11	x			
18 x 0.75 mm <sup>2</sup>	11,9	x			
18 x 1 mm <sup>2</sup>	13,1	x			
18 x 1.5 mm <sup>2</sup>	14,5	x			
20 x 0.5 mm <sup>2</sup>	12	x		x	
25 x 0.75 mm <sup>2</sup>	15,04	x			
25 x 1 mm <sup>2</sup>	16,02	x			
25 x 1.5 mm <sup>2</sup>	17,02	x			



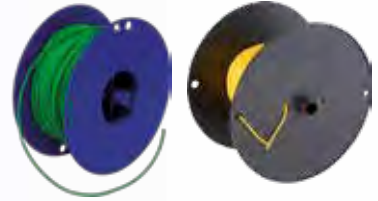


-  Wandkabelrek
-  Walldisplay
-  Kabelwandhalter
-  Câble display

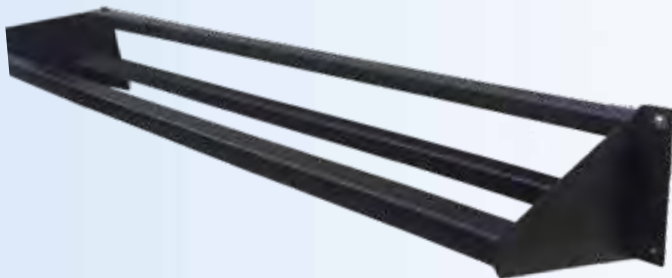


voor 5 haspels

REK.200



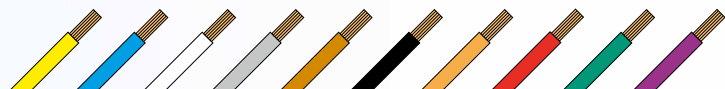
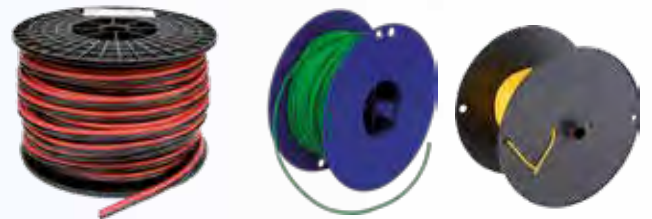
**Wandrek voor alle maten kabelhaspels**



Kabelrek leeg 60 cm  
Art.nr. REK.201



Kabelrek leeg 90 cm  
Art.nr. REK.202





# *mato*

# 3



**Kabelband & accessoires**



**Cable ties & accessories**







**Kabelbänder & Zubehör Colliers**



**serre-câbles & accessoires**



-  Kabelbundelband - zwart - UV bestendig
-  Cable Ties - black - UV resistant
-  Kabelbänder - schwarz - UV resistent
-  Colliers serre-câble - noir - résistant aux UV

NYLON 6.6 - CE  
 UL 94V2 - UL 1565  
 EN50146 -40°C / +85°  
 MIL-S-23190E



### 2.5 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.300	T17RW - 80x2.5	100	14	8.1
KB.301	T18RW - 100x2.5	100	20	8.1
KB.312	T19RW - 120x2.5	100	24	8.1
KB.314	T20RW - 160x2.5	100	36	8.1
KB.316	T18LW - 200x2.5	100	50	8.1



### 3.6 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.302	T30RW - 140x3.6	100	30	18.2
KB.305	T30LW - 200x3.6	100	50	18.2
KB.307	T30LLW - 295x3.6	100	75	18.2
KB.356	T40LLW - 370x3.6	100	100	18.2



### 4.8 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.303	T50SW - 160x4.8	100	24	22.2
KB.304	T50RW - 200x4.8	100	36	22.2
KB.306	T51RW - 250x4.8	100	40	22.2
KB.308	T50IW - 295x4.8	100	50	22.2
KB.311	T45SW - 120x4.8	100	70	22.2
KB.325	T60LW - 430x4.8	100	75	22.2
KB.315	T40RW - 180x4.8	100	100	22.2
KB.310	T50LW - 370x4.8	100	115	22.2



**KABELBUNDELBAND REKJE LEEG**  
 Artikel nummer: KB.REK

**KABELBUNDELBAND REKJE GEVULD**  
 met 500 courante bundelbandjes

Artikel nummer: KB.REK500

Inhoud:

100x	KB.301	-	KBB-ZW	T18RW	100X2.5
100x	KB.302	-	KBB-ZW	T30RW	140X3.2
100x	KB.304	-	KBB-ZW	T50RW	200X4.8
100x	KB.308	-	KBB-ZW	T50IW	300X4.8
100x	KB.310	-	KBB-ZW	T50LW	385X4.8



### 7.6 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.317	T16ORW - 150x7.6	100	36	54.5
KB.319	T17ORW - 200x7.6	100	50	54.5
KB.320	T18ORW - 290x7.6	100	80	54.5
KB.309	T150RW - 370x7.6	100	105	54.5



### 8.0 / 9.0 mm





art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.313	T120RW - 450x8.0	100	115	79.4
KB.321	T190RW - 550x8.0	100	140	79.4
KB.318	T125RW - 762x9.0	100	190	79.4



### 12.7 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.322	LK4W - 450x12.7	50	115	110
KB.323	LK5W - 550x12.7	50	140	110
KB.324	LK6W - 762x12.7	50	190	110



-  Kabelbundelband - zwart - UV bestendig
-  Cable Ties - black - UV resistant
-  Kabelbänder - schwarz - UV resistant
-  Colliers serre-câble - noir - résistant aux UV

NYLON 6.6 - CE  
 UL 94V2 - UL 1565  
 EN50146 -40°C / +85°  
 MIL-S-23190E



### 2.5 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
420018	T18RW - 100x2.5	100	20	18.2

### 2.6 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
420049	T30LW - 200x3.6	100	75	18.2

### 3.6 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
420209	T30RW - 140x3.6	100	30	18.2
420216	T30LW - 200x3.6	100	50	18.2

### 4.5 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
420414	T30LW - 160x4.5	100	24	22.2



-  Kabelbundelband - wit
-  Cable Ties - white
-  Kabelbänder - Weiss
-  Colliers serre- câble - blanc

NYLON 6.6 - CE  
 UL 94V2 - UL 1565 - EN50146  
 -40°C / +85°C  
 MIL-S-23190E



### 2.5 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.357	T17R 80x2.5	100	14	8.1
KB.335	T18R 100x2.5	100	20	8.1
KB.358	T19R 120x2.5	100	24	8.1
KB.359	T20R 160x2.5	100	36	8.1
KB.360	T18 L 200x2.5	100	50	8.1

### 3.6 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.337	T30R 140x3.6	100	30	18.2
KB.338	T30L 200x3.6	100	50	18.2
KB.361	T30LL 295x3.6	100	75	18.2
KB.362	T40LL 370x3.6	100	100	18.2

### 4.8 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.363	T45S 120x4.8	100	24	22.2
KB.336	T50S 160x4.8	100	36	22.2
KB.334	T40R 180x4.8	100	40	22.2
KB.364	T50R 200x4.8	100	50	22.2
KB.365	T51R 250x4.8	100	70	22.2
KB.339	T50I 295x4.8	100	75	22.2
KB.341	T50L 370x4.8	100	100	22.2
KB.366	T60L 430x4.8	100	115	22.2

### 7.6 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.367	T160 R 150x7.6	100	36	54.5
KB.368	T170 R 200x7.6	100	50	54.5
KB.369	T180 R 290x7.6	100	80	54.5
KB.340	T150R 370x7.6	100	105	54.5


### 9.0 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.343	T120R 450x9.0	100	115	79.4
KB.370	T190R 550x9.0	100	140	79.4
KB.371	T125R 780x9.0	100	190	79.4

### 12.7 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.372	LK4 450x12.7	50	115	110
KB.342	LK5 550x12.7	50	140	110
KB.373	LK6 762x12.7	50	190	110











-  Kabelbundelband - gekleurd
-  Cable Ties - coloured
-  Kabelbänder - Farbig
-  Colliers serre-câble - différentes couleurs





NYLON 6.6 - CE  
 UL 94V2 - UL 1565 - EN50146  
 -40°C / +85°C  
 MIL-S-23190E









#### 100 x 2.5 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.413	 100x2.5	100	20	8.1
KB.414	 100x2.5	100	20	8.1
KB.415	 100x2.5	100	20	8.1
KB.416	 100x2.5	100	20	8.1
KB.301OR	 100x2.5	100	20	8.1
KB.301GRY	 100x2.5	100	20	8.1
KB.301VI	 100x2.5	100	20	8.1
KB.301FG	 100x2.5	100	20	8.1





#### 150 x 3.6 mm

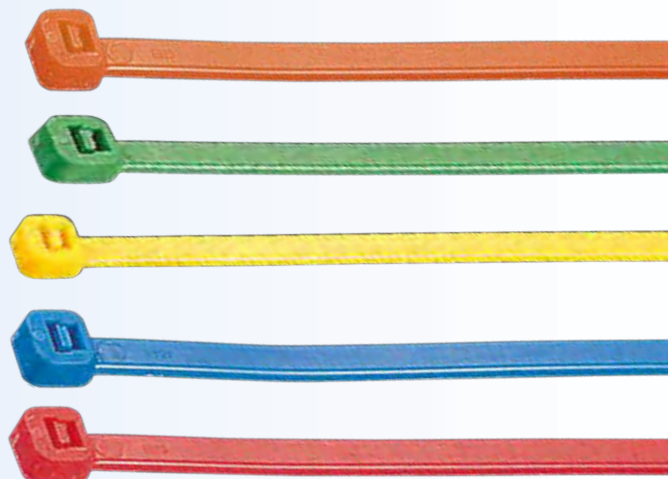
art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.417	 150x3.6	100	75	18.2
KB.418	 150x3.6	100	75	18.2
KB.419	 150x3.6	100	75	18.2
KB.420	 150x3.6	100	75	18.2

#### 200 x 4.8 mm

art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.326	 200x4.8	100	50	22.2
KB.327	 200x4.8	100	50	22.2
KB.328	 200x4.8	100	50	22.2
KB.329	 200x4.8	100	50	22.2
KB.304-GR	 200x4.8	100	50	22.2
KB.305OR	 200x4.8	100	50	22.2

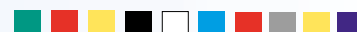
#### 295 x 4.8 mm



art.nr.	type/dim. mm	vpe	max. Ø mm	min. kg
KB.330	 295x4.8	100	75	22.2
KB.331	 295x4.8	100	75	22.2
KB.332	 295x4.8	100	75	22.2
KB.333	 295x4.8	100	75	22.2



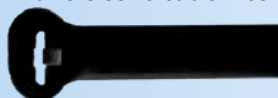
#### AS.240

Assortiment met 1000 kabelbandjes 2.5 x100 in 10 verschillende kleuren: zwart - rood - oranje - groen - blauw wit - geel fluo. -bruin - grijs - violet



-  Kabelbundelband - UV bestendig - weerhaak metaal
-  Cable Ties - UV resistant - metal lock
-  Kabelbänder - UV resistent - metal rastnase
-  Colliers serre-câble - résistant aux UV - languette métallique de verrouillage

NYLON 6.6 - CE  
 UL 94V2 - UL 1565 EN50146  
 -40°C / +85°  
 MIL-S-23190E



# Ty-Rap®



#### 2.4 - 3.6 - 4.8 - 7.6 mm

art.nr.	type/dim.mm	vpe	max. Ø mm	min. kg
KB.348	523MXR - 92x2.4	100	20	8.1
KB.406	524MXR - 140x3.6	100	30	12.6
KB.349	525MXR - 186x4.8	100	40	22.2
KB.351	528MXR - 360x4.8	100	100	22.2
KB.350	527MXR - 338x7.6	50	105	54.5





#### 2.4 - 3.6 - 4.8 - 7.6 mm

art.nr.	type/dim.mm	vpe	max. Ø mm	min. kg
KB.344	523MR - 92x2.4	100	20	8.1
KB.345	525MR - 186x4.8	100	40	22.2
KB.346	528MR - 360x4.8	100	100	22.2
KB.347	527MR - 338x7.6	50	105	54.5



#### 4.8 mm

KB.349-1	525MXR -186x4.8	100	40	22.2
----------	-----------------	-----	----	------

-  Kabelbundelband - Cobra type's
-  Cable Ties - Cobra types
-  Kabelbänder - Cobra Typen
-  Colliers serre-câble - Cobra

NYLON 6.6 - CE  
 UL 94V2 - UL 1565 - EN50146  
 -40°C / +85°C  
 MIL-S-23190E



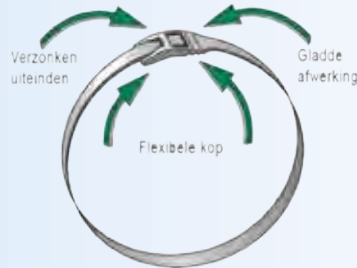
**4.52 - 7.62 mm**

art.nr.	dim. mm	vpe	max. Ø mm
KB.33102	177x4.52	100	50
KB.53102	280x4.52	100	80
KB.63102	350x4.52	100	110
KB.65102	350x7.62	100	110
KB.85102	450x7.62	50	140
KB.05102	600x7.62	50	190
KB.15102	760x7.62	50	240



**4.52 - 7.62 mm**





art.nr.	dim. mm	vpe	max. Ø mm
KB.33112	177x4.52	100	50
KB.53112	280x4.52	100	80
KB.63112	350x4.52	100	110
KB.65112	350x7.62	100	110
KB.85112	450x7.62	50	140
KB.05112	600x7.62	50	190
KB.15112	760x7.62	50	240



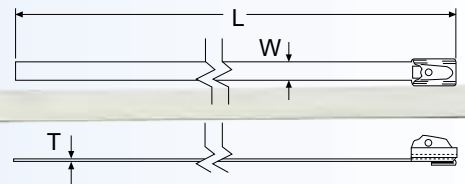
**CHASSIS BAND 7.6 x 375 MM ZWART**

art.nr.	vpe
BHT-375M CHASSIS BAND 7.6 x 375 MM	250



-  Kabelbundelband - roestvrij staal
-  Cable Ties - stainless steel
-  Kabelbänder - Edelstahl
-  Colliers serre-câble - acier inoxydable

A.I.S.I. 316 - 0.30 mm  
 DIN 14300/1 -80°C / +540°C  
 ASIM B1117 / +35°C  
 BS 9300 F2







**4.5 mm**

art.nr.	type/dim.mm	vpe	max. Ø mm	min. kg
KB.391	152x4.5	10	25	46
KB.377	201x4.5	10	50	46
KB.378	266x4.5	10	80	46
KB.379	362x4.5	10	102	46
KB.380	521x4.5	10	152	46
KB.381	838x4.5	10	254	46
KB.392	1050x4.5	10	318	46

**7.9 mm**

art.nr.	type/dim.mm	vpe	max. Ø mm	min. kg
KB.393	152x8.0	10	25	114
KB.382	201x8.0	10	50	114
KB.383	266x8.0	10	80	114
KB.384	362x8.0	10	102	114
KB.385	521x8.0	10	152	114
KB.386	838x8.0	10	254	114
KB.387	1050x8.0	10	318	114



-  Kabelbundelband - speciale type's
-  Cable Ties - special types
-  Kabelbänder - Spezielle Typen
-  Colliers serre- câble - special

NYLON 6.6 - CE  
 UL 94V2 - UL 1565 - EN50146  
 -40°C / +85°C  
 MIL-S-23190E

### Eye type

art.nr.	type/dim.mm	vpe	max. Ø mm min. kg	
KB.354	155x3.7 - Ø 4.8	100	40	18
KB.355	205x4.8 - Ø 4.8	100	60	22
KB.299	300x4.8 - Ø 4.8	100	85	22
KB.375	300x7.8 - Ø 6.0	100	80	55
KB.376	380x7.8 - Ø 6.0	100	122	55

KB.355-zw	205x4.8 - Ø 4.8	100	60	22
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### "Double locking type's"

art.nr.	type/dim.mm	vpe	max. Ø mm min. kg	
KB.851	132 x 9.0	100	30	35
KB.852	180 x 9.0	100	45	35
KB.853	235 x 9.0	100	55	55
KB.854	265 x 9.0	100	78	55
KB.855	300 x 9.0	100	88	55
KB.856	360 x 9.0	100	100	55
KB.857	510 x 9.0	100	150	55
KB.858	610 x 9.0	100	180	55
KB.859	760 x 9.0	100	230	55

### "Releasable type's"

art.nr.	type/dim.mm	vpe	max. Ø mm min. kg	
KB.444	125 x 7.6	100	30	22
KB.445	150 x 7.6	100	35	22
KB.446	200 x 7.6	100	50	22
KB.447	250 x 7.6	100	65	22
KB.448	300 x 7.6	100	89	22





### Push mount type 200 x 4.8 mm

art.nr.	type/dim.mm	vpe	max. Ø mm min. kg	
KB.2000	T50RSF 203x4.8 - 6.4	100	50	22.2
KB.2001	T50SL6 200x4.8 - 6.0	100	50	22.2
KB.2002	T50SD6 200x4.8 - 6.4	100	50	22.2

### Knot (Ball) type

art.nr.	type/dim. mm	vpe	max. Ø mm min. kg	
KB.428	100x25	100	25	8
KB.429	120x30	100	30	8
KB.430	150x39	100	39	14
KB.431	180x49	100	49	18
KB.432	226x63	100	63	18
KB.433	280x75	100	75	22



-  Kleef bevestigings element voor kabelbundelband
-  Self adhesive basis for Cable Ties
-  Sockel für Kabelbänder - selbstklebend
-  Embases adhésives pour colliers serre-câble

-40°C / +85°C  
ASIM B1117 / +35°C  
BS 9300 F2



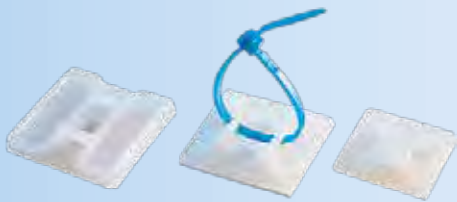
**1P / 3.6 - 4.8 mm** ●

art.nr.	Dim. mm.						vpe
	H	L	W	T	B		
KB.397	4.0	28.0	28.0	5.0	5.0		100



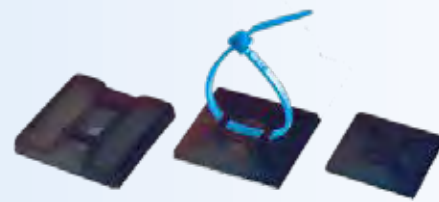
**1P / 3.6 - 4.8 mm** ●

art.nr.	Dim. mm.						vpe
	H	L	W	T	B		
KB.398	4.9	18.9	18.9	4.1	5.0		100
KB.399	4.0	28.0	28.0	5.0	5.0		100



**2P / 3.6 - 4.8 mm** ●





art.nr.	Dim. mm.						vpe
	H	L	W	T	B		
KB.400	3.5	21.0	21.0	5.0	-		100
KB.410	4.8	28.0	28.0	5.0	5.0		100



**2P / 3.6 - 4.8 mm** ●

art.nr.	Dim. mm.						vpe
	H	L	W	T	B		
KB.411	3.5	21.0	21.0	5.0	-		100
KB.412	4.8	25.0	25.0	5.0	5.0		100
KB.427	4.8	28.0	28.0	5.0	5.0		100

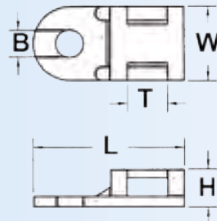


-  Schroef bevestigings element voor kabelbundelband
-  Eyelets for Cable Ties
-  Sockel für Kabelbänder - schraubanschluss
-  Embases a vis pour colliers serre-câbles

-80°C / +540°C  
ASIM B1117 / +35°C  
BS 9300 F2

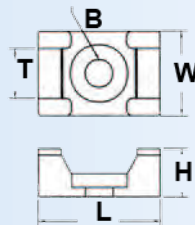
**3.6 - 4.8 mm** ●

art.nr.	vpe	Dim. mm.				
		H	L	W	T	B
KB.167	100	5	19	9.5	5	3.4
KB.165	100	5	19	9.5	5	5.2



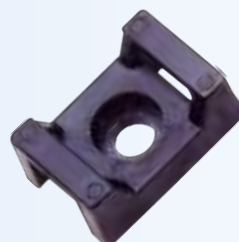
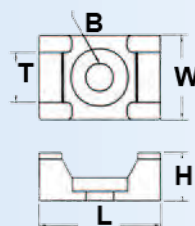
**3.6 - 4.8 - 7.6 - 9.0 mm** ●

art.nr.	vpe	Dim. mm.				
		H	L	W	T	B
KB.426	100	7	15	10	5	3.0
KB.353	100	9	23	16	8	9.0
KB.166	100	9	23	16	9	9.0







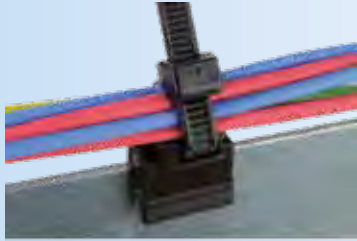
**4.8 - 7.6 - 9.0 mm** ●

art.nr.	vpe	Dim. mm.				
		H	L	W	T	B
KB.423	100	5	19	9.5	5	3.4
KB.424	100	7	15	10	5	3.0
KB.425	100	9	23	16	9	9.0









-  Bevestigings element voor kabelbundelband
-  Eyelets for Cable Ties
-  Sockel für Kabelbänder - schraubanschluss
-  Embases pour colliers serre-câbles



**KB.181** EDGE CLIP 45MM - L 200MM B 4.8MM BO/ZIJW vpe 100



-  Kleef bevestigings element voor kabel
  -  Self adhesive basis for cable
  -  Sockel für Kabel - selbstklebend
  -  Embases adhésives pour câbles
- Aluminium  
-40°C / +85°C

**6.0 mm**

art.nr. KB.168

type SC1

vpe 100

dim. max. Ø 6.0 mm



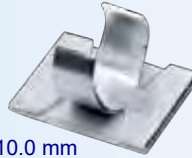
**10.0 mm**

art.nr. KB.169

type SC2

vpe 100

dim. max. Ø 10.0 mm



**19.0 mm**





art.nr. KB.164

type SC3

vpe 50

dim. max. Ø 19.0 mm

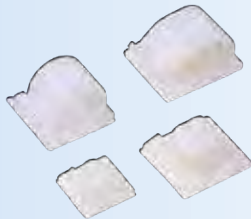


-  Kleef bevestigings element voor kabel
-  Self adhesive basis for cable
-  Sockel für Kabel - selbstklebend
-  Embases adhésives pour câbles

NYLON 66  
40°C / +85°C

**13 - 19 - 25 - 28.5 mm**

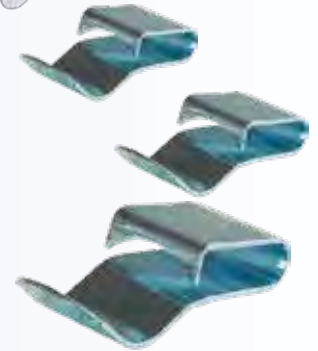
art.nr.	type	vpe	dim.
KB.170	RA3	50	13.0x13.0
KB.171	RA6	50	19.0x19.0
KB.172	RA13	50	25.0x25.0
KB.173	RA18	50	28.5x28.5







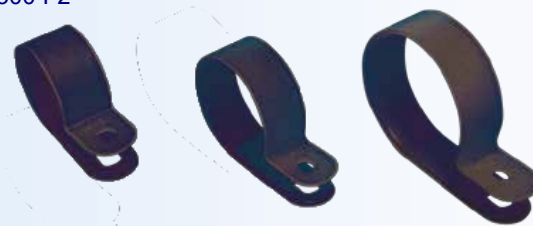
-  Chassisklemmen - staal
-  Chassis mounts - steel
-  Chassisklemmen - Stahl
-  Chassis clips - acier

**28- 43 - 52 mm**

art.nr.	dim.	vpe
KB.175	28 x 15 x 5	100
KB.176	43 x 22 x 5	100
KB.177	52 x 32 x 5	100



-  Schroef bevestigings element voor kabel
  -  Cable clamps
  -  Sockel für Kabel - schraubanschluss
  -  Embases a vis pour câbles
- 80°C / +540°C  
ASIM B1117 / +35°C  
BS 9300 F2



**M4.6 x 9.6/10.0/12.0 mm**

art.nr.	kleur	diam.	vpe	dim.
KB.475	○	3.2 Ø	100	M4.6 x 9.6 x 19.8
KB.476	○	4.8 Ø	100	M4.6 x 9.6 x 19.8
KB.477	○	6.35 Ø	100	M4.6 x 10.0 x 20.0
KB.478	○	7.9 Ø	100	M4.6 x 10.0 x 22.0
KB.479	○	9.5 Ø	100	M4.6 x 12.0 x 24.0
KB.480	○	12.7 Ø	100	M4.6 x 12.0 x 31.0
KB.481	○	15.8 Ø	100	M4.6 x 12.0 x 34.3
KB.482	○	19.4 Ø	100	M4.6 x 12.0 x 35.0
KB.483	○	25.4 Ø	100	M4.6 x 12.0 x 43.0
KB.484	○	27.5 Ø	100	M4.6 x 12.0 x 50.0
KB.485	○	31.8 Ø	100	M4.6 x 12.0 x 46.2
KB.486	○	36.7 Ø	100	M4.6 x 12.0 x 59.0

**M4.6 x 9.6/10.0/12.0 mm**

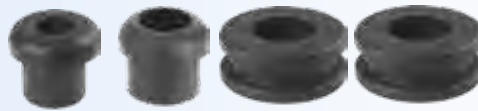
art.nr.	kleur	diam.	vpe	dim.
KB.463	●	3.2 Ø	100	M4.6 x 9.6 x 19.8
KB.464	●	4.8 Ø	100	M4.6 x 9.6 x 19.8
KB.465	●	6.35 Ø	100	M4.6 x 10.0 x 20.0
KB.466	●	7.9 Ø	100	M4.6 x 10.0 x 22.0
KB.467	●	9.5 Ø	100	M4.6 x 12.0 x 24.0
KB.468	●	12.7 Ø	100	M4.6 x 12.0 x 31.0
KB.469	●	15.8 Ø	100	M4.6 x 12.0 x 34.3
KB.470	●	19.4 Ø	100	M4.6 x 12.0 x 35.0
KB.471	●	25.4 Ø	100	M4.6 x 12.0 x 43.0
KB.472	●	27.5 Ø	100	M4.6 x 12.0 x 50.0
KB.473	●	31.8 Ø	100	M4.6 x 12.0 x 46.2
KB.474	●	36.7 Ø	100	M4.6 x 12.0 x 59.0

 Rubber doorvoertules - 1 zijdig open

 Rubber Grommets

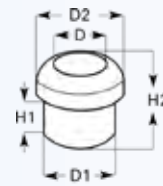
 Gummi Kabeldurchführungsstüben

 Passe-câble en caoutchouc



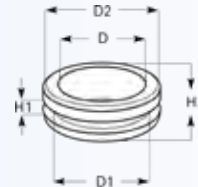
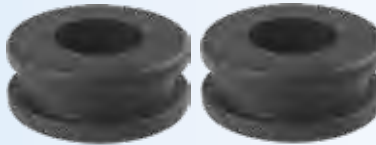
**6 - 8 - 10 - 12mm / 1 zijdig open**

art.nr.	diam.	vpe	D1	D	H	h2
KB.2106	6 mm	50	10.0	14.0	8.0	12.0
KB.2108	8 mm	50	11.5	16.0	9.0	13.0
KB.2110	10 mm	50	14.0	18.0	10.0	15.0
KB.2112	12 mm	50	17.0	20.0	11.0	17.0



**12 - 13 - 16 - 25 mm / 2 zijdig open**

art.nr.	diam.	vpe	D1	D	H	h2
KB.2212	12 mm	50	19.5	24.0	4.0	10.0
KB.2213	13 mm	50	21.0	26.0	2.0	9.0
KB.2216	16 mm	25	24.0	30.0	3.0	11.0
KB.2225	25 mm	10	30.0	35.0	3.5	11.7



 PVC doorvoertules - 2 zijdig

 open PVC Grommets

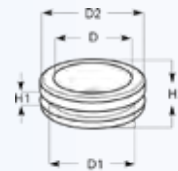
 PVC Kabeldurchführungsstüben

 Passe-câble en PVC

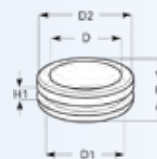


**4.5 - 5.7 - 6 - 8 - 9 - 10 - 15 - 21 - 23 mm / 2 zijdig open**

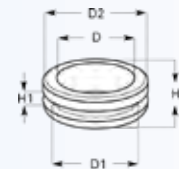
art.nr.	diam.	vpe	D1	D	H	h2
KB.2204	4.5 mm	100	6.0	9.0	1.0	6.0
KB.2205	5.7 mm	100	7.8	11.0	1.0	6.0
KB.2206	6 mm	100	9.3	12.3	2.0	8.0



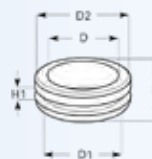
art.nr.	diam.	vpe	D1	D	H	h2
KB.2206A	6 mm	50	9.3	12.3	8.0	2.0



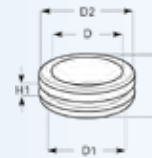
art.nr.	diam.	vpe	D1	D	H	h2
KB.2206B	6 mm	50	10.0	13.0	1.0	7.0
KB.2209	8 mm	50	10.0	14.0	1.5	5.5
KB.2208	9 mm	50	10.5	16.0	1.0	6.0



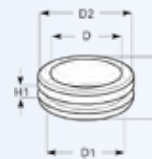
art.nr.	diam.	vpe	D1	D	H	h2
KB.2210	10 mm	50	11.5	18.0	1.0	8.0
KB.2215	15 mm	50	18.0	25.0	2.0	9.0



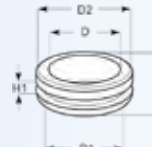
art.nr.	diam.	vpe	D1	D	H	h2
KB.2211	10 mm	50	12.0	18.0	4.0	11.0







art.nr.	diam.	vpe	D1	D	H	h2
KB.2221	21 mm	10	31.0	38.0	1.5	11.0



art.nr.	diam.	vpe	D1	D	H	h2
KB.2223	23 mm	10	29.0	39.0	1.5	10.0



-  Rubber doorvoertules - dicht
-  Rubber Grommets - closed
-  Gummi Kabeldurchführungstüllen - geschlossen
-  Passe-câble en caoutchouc - fermé

**2 - 4 - 7 - 8 - 9 - 10 - 15 - 21 - 23 mm / 2 zijdig dicht**





art.nr.	diam.	vpe	D1	D	H	h1	
KB.2302	2 mm	50	6.0	10.0	1.5	8.0	
KB.2304	4 mm	50	7.5	11.0	1.0	6.5	
KB.2306	7 mm	50	10.0	15.0	1.3	5.0	
KB.2308	8 mm	25	12.0	20.0	1.0	10.0	
KB.2312	10 mm	25	14.0	19.0	1.5	8.0	
KB.2314	14 mm	25	18.0	25.0	3.0	12.0	
KB.2321	21 mm	10	30.0	34.0	2.0	10.0	



**AS.2300**

**inhoud - content - inhalt - contenu: 208 pcs.**

- 25x KB.2106    20x KB.2206A    10x KB.2212
- 20x KB.2108    20x KB.2206B    10x KB.2213
- 10x KB.2110    25x KB.2209    8x KB.2216
- 25x KB.2205    20x KB.2211    4x KB.2225

-  Tangen voor kunststof/nylon kabelbundelbanden
-  Tools for pvc/nylon cable ties
-  Kabelbinderzangen für Nylon/Kunststoff Kabelbänder
-  Pincés d'application à colliers serre-câbles Nylon



2.2 - 4.8 mm

2.2 - 4.8 mm

2.2 - 13.0 mm

art.nr. TO.011



165 mm



2.2 - 4.8 mm



210 gr.

vpe 1



art.nr. TO.012



155 mm



2.2 - 4.8 mm



306 gr.

vpe 1



art.nr. TO.013



220 mm



2.2 - 13.0 mm



319 gr.

vpe 1



4.8 - 6.7mm



art.nr. TO.080



165 mm

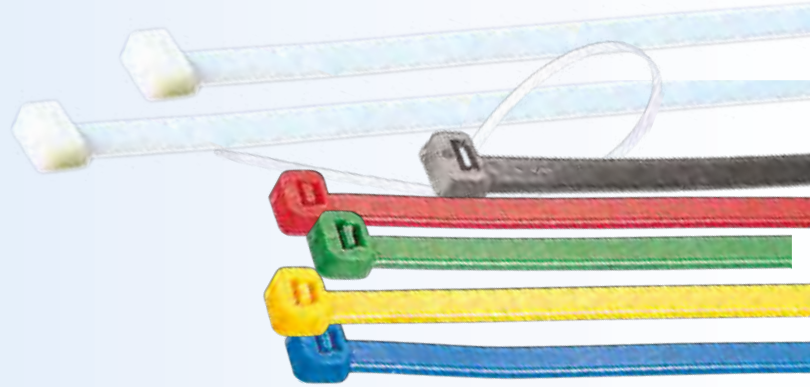






4.8 - 7.6 mm



210 gr.

vpe 1



-  Tangen voor stalen kabelbundelbanden
-  Tools for stainless steel cable ties
-  Kabelbinderzangen für Nylon/Kunststoff Kabelbänder
-  Pincés d'application à colliers serre-câbles acier inoxydable



4.6 - 8.0 mm

4.6 - 8.0 mm

art.nr. TO.014



180 mm



4.6 - 8.0 mm



558 gr.

vpe 1



art.nr. TO.025



205mm



4.6 - 8.0 mm



560gr.

vpe 1





**mato**

4



Kabelverbinders



geïsoleerd Pre insulated




terminals Kabelverbinder



isoliert Cosse pré-isolée




**Kabelverbinders geïsoleerd met versterkingshuls**  
**Pre insulated terminal with anti vibration insert**  
**Kabelverbinder isoliert mit Verstärkungshülse**  
**Cosse pré-isolée renforcée**

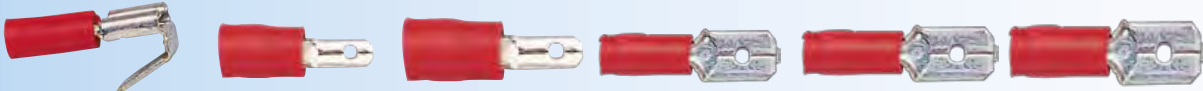
DIN 0.5 - 1.5 mm<sup>2</sup>  
 AWG 22 - 16 mm<sup>2</sup>  
 PVC - DIN / ISO 46 245  
 Max. Electrical Rating: 300 Volts - 75°C



<b>KV.559</b> 2.8 x 0.5 L 19.0 mm 	<b>KV.559/8I</b> 2.8 x 0.8 L 19.0 mm - 	<b>KV.741</b> 4.8 x 0.5 L 19.5 mm - 	<b>KV.741/8I</b> 4.8 x 0.8 L 19.5 mm - 	<b>KV.541</b> 6.3 x 0.8 L 21.5 mm - 	<b>KV.541-O</b>  6.3 x 0.8 L 21.5 mm - 
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







<b>KV.744</b> 8.0 x 0.8 L 22.5 mm - 	<b>KV.1559</b> 2.8 x 0.5 L 19.0 mm - 	<b>KV.1559/8I</b> 2.8 x 0.8 L 19.0 mm - 	<b>KV.1741</b> 4.8 x 0.5 L 20.0 mm - 	<b>KV.1541</b> 6.3 x 0.8 L 22.0 mm - 	<b>KV.1541-O</b>  6.3 x 0.8 L 22.0 mm - 
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<b>KV.561</b> 6.3 x 0.8 L 22.5 mm - 	<b>KV.940</b> 2.8 x 0.5 L 22.0 mm - 	<b>KV.940/8I</b> 2.8 x 0.5 L 22.0 mm - 	<b>KV.440</b> 4.8 x 0.5 L 22.0 mm - 	<b>KV.440/8I</b> 4.8 x 0.8 L 22.0 mm - 	<b>KV.540-O</b>  6.3 x 0.8 L 22.0 mm - 
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<b>KV.540</b> 6.3 x 0.8 L 22.0 mm - 	<b>KV.545V</b> Ø 4.20 / L 26.2 <b>600V - 75°C</b> - 	<b>KV.1545</b> nylon - Ø 4.50 / L 26.0 <b>600V - 105°C</b> - 	<b>KV.547</b> Ø 4.0 / L 21.5 	<b>KV.548</b> Ø 4.0 / L 24.0 	<b>KV.556</b> M3 / L 24.0 
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<b>KV.535</b> M4 / L 21.7 	<b>KV.557</b> M5 / L 24.0 	<b>KV.531</b> M6 / L 27.6 	<b>KV.532</b> M8 / L 27.6 	<b>KV.533</b> M10 / L 31.5 
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**Kabelverbinders geïsoleerd zonder versterkingshuls**  
**Pre insulated terminal without anti vibration insert**  
**Kabelverbinder isoliert ohne Verstärkungshülse**  
**Cosse pré-isolée non renforcée**

DIN 0.5 - 1.5 mm<sup>2</sup>  
 AWG 22 - 16 mm<sup>2</sup>  
 PVC - DIN / ISO 46 245  
 Max. Electrical Rating: 300 Volts - 75°C




<b>KV.633</b> M3 / L 17.5 	<b>KV.634</b> M4 / L 21.7 	<b>KV.635</b> M5 / L 21.7 	<b>KV.636</b> M6 / L 27.6 	<b>KV.638</b> M8 / L 27.6 	<b>KV.640</b> M10 / L 31.5 
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<b>KV.643</b> M3 / L 22.0 	<b>KV.644</b> M4 / L 22.0 	<b>KV.645</b> M5 / L 22.0 	<b>KV.646</b> M6 / L 22.0 	<b>KV.566</b> Ø 4.0 / L 21.8 	<b>KV.545</b> Ø 4.20 / L 26.2 
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 **Kabelverbinders geïsoleerd met versterkingshuls**  
**Pre insulated terminal with anti vibration insert**  
**Kabelverbinder isoliert mit Verstärkungshülse**  
**Cosse pré-isolée renforcée**





DIN 1.5 - 2.5 mm<sup>2</sup>  
 AWG 22 - 16 mm<sup>2</sup>  
 PVC - DIN / ISO 46245  
 Max. Electrical Rating: 300 Volts - 75°C



 **Kabelverbinders geïsoleerd zonder versterkingshuls**  
**Pre insulated terminal without anti vibration insert**  
**Kabelverbinder isoliert ohne Verstärkungshülse**  
**Cosse pré-isolée non renforcée**

DIN 1.5 - 2.5 mm<sup>2</sup>  
 AWG 22 - 16 mm<sup>2</sup>  
 PVC - DIN / ISO 46245  
 Max. Electrical Rating: 300 Volts - 75°C







-  Kabelverbinders geïsoleerd met versterkingshuls
-  Pre insulated terminal with anti vibration insert
-  Kabelverbinder isoliert mit Verstärkungshülse
-  Cosse pré-isolée renforcée

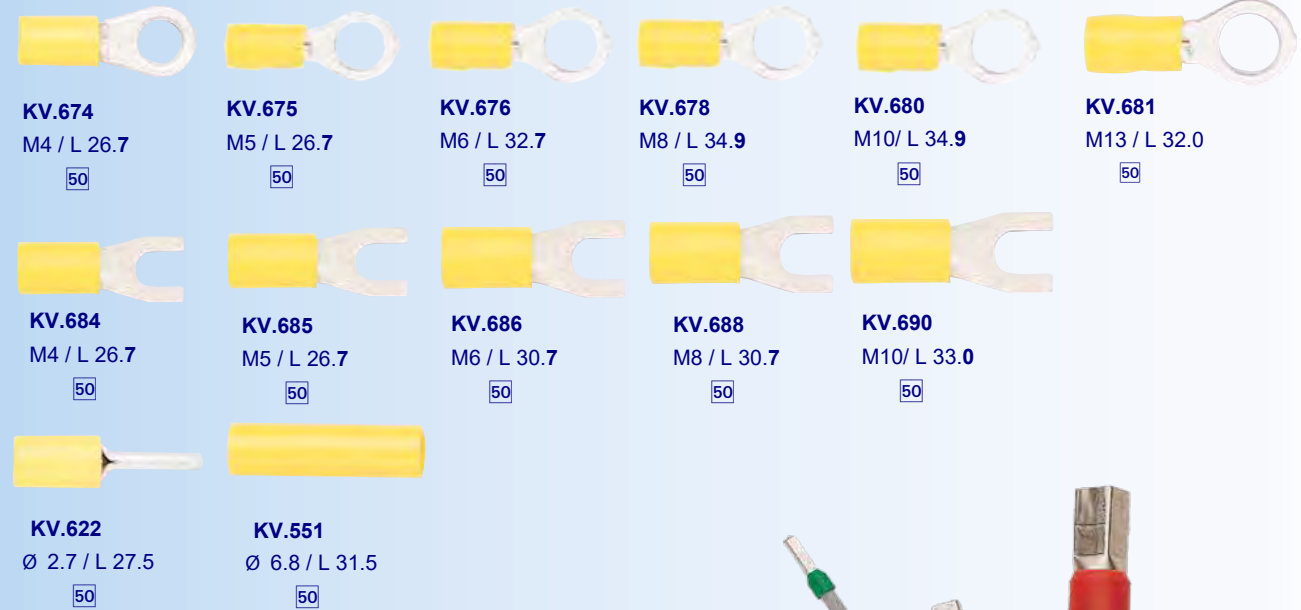
DIN 4.0 - 6.0 mm<sup>2</sup>  
 AWG 22 - 16 mm<sup>2</sup>  
 PVC - DIN / ISO 46245  
 Max. Electrical Rating: 300 Volts - 75°C



- |  |   |  |   |  |  |
|--|---|--|---|--|--|
| <b>KV.743</b><br>4.8 x 0.8<br>L 23.0 <span style="border: 1px solid black; padding: 0 2px;">50</span>      | <b>KV.543</b><br>6.3 x 0.8<br>L 25.0 <span style="border: 1px solid black; padding: 0 2px;">50</span> | <b>KV.555</b><br>9.4 x 1.2<br>L 28.6 mm - <span style="border: 1px solid black; padding: 0 2px;">50</span> | <b>KV.1543</b><br>6.3 x 0.8<br>L 25.5 mm - <span style="border: 1px solid black; padding: 0 2px;">50</span> | <b>KV.1551</b><br>6.3 x 0.8<br>L 27.0 <span style="border: 1px solid black; padding: 0 2px;">50</span> | <b>KV.551V</b><br>Ø 6.8 / L 31.5<br><span style="border: 1px solid black; padding: 0 2px;">50</span> |
| <b>KV.840</b><br>6.3 x 0.8<br>L 24.5 mm - <span style="border: 1px solid black; padding: 0 2px;">50</span> | <b>KV.849</b><br>Ø 5.0 / L 26.0<br><span style="border: 1px solid black; padding: 0 2px;">50</span>   | <b>KV.850</b><br>Ø 5.0 / L 28.0<br><span style="border: 1px solid black; padding: 0 2px;">50</span>        | <b>KV.538</b><br>M5 / L 27.0<br><span style="border: 1px solid black; padding: 0 2px;">50</span>            | <b>KV.539</b><br>M6 / L 32.7<br><span style="border: 1px solid black; padding: 0 2px;">50</span>       | <b>KV.563</b><br>M8 / L 34.9<br><span style="border: 1px solid black; padding: 0 2px;">50</span>     |
| <b>KV.554</b><br>M10 / L 34.9<br><span style="border: 1px solid black; padding: 0 2px;">50</span>          | <b>KV.525</b><br>M12 / L 39.6<br><span style="border: 1px solid black; padding: 0 2px;">50</span>     | <b>KV.567</b><br>6.3 x 0.8<br>L 25.0 mm - <span style="border: 1px solid black; padding: 0 2px;">50</span> |   |  |  |

-  Kabelverbinders geïsoleerd zonder versterkingshuls
-  Pre insulated terminal without anti vibration insert
-  Kabelverbinder isoliert ohne Verstärkungshülse
-  Cosse pré-isolée non renforcée





DIN 4.0 - 6.0 mm<sup>2</sup>  
 AWG 22 - 16 mm<sup>2</sup>  
 PVC - DIN / ISO 46245  
 Max. Electrical Rating: 300 Volts - 75°C



- |   |   |  |  |   |   |
|---|---|--|--|---|---|
| <b>KV.674</b><br>M4 / L 26.7<br><span style="border: 1px solid black; padding: 0 2px;">50</span>    | <b>KV.675</b><br>M5 / L 26.7<br><span style="border: 1px solid black; padding: 0 2px;">50</span>    | <b>KV.676</b><br>M6 / L 32.7<br><span style="border: 1px solid black; padding: 0 2px;">50</span> | <b>KV.678</b><br>M8 / L 34.9<br><span style="border: 1px solid black; padding: 0 2px;">50</span> | <b>KV.680</b><br>M10 / L 34.9<br><span style="border: 1px solid black; padding: 0 2px;">50</span> | <b>KV.681</b><br>M13 / L 32.0<br><span style="border: 1px solid black; padding: 0 2px;">50</span> |
| <b>KV.684</b><br>M4 / L 26.7<br><span style="border: 1px solid black; padding: 0 2px;">50</span>    | <b>KV.685</b><br>M5 / L 26.7<br><span style="border: 1px solid black; padding: 0 2px;">50</span>    | <b>KV.686</b><br>M6 / L 30.7<br><span style="border: 1px solid black; padding: 0 2px;">50</span> | <b>KV.688</b><br>M8 / L 30.7<br><span style="border: 1px solid black; padding: 0 2px;">50</span> | <b>KV.690</b><br>M10 / L 33.0<br><span style="border: 1px solid black; padding: 0 2px;">50</span> |   |
| <b>KV.622</b><br>Ø 2.7 / L 27.5<br><span style="border: 1px solid black; padding: 0 2px;">50</span> | <b>KV.551</b><br>Ø 6.8 / L 31.5<br><span style="border: 1px solid black; padding: 0 2px;">50</span> |  |  |   |   |





-  Quick-Lock kabelverbinders
-  Quick-Lock connector
-  Abzweigverbinder
-  Connecteurs de dérivation

DIN 0.5-1.0 mm<sup>2</sup> - 0.75-2.5 mm<sup>2</sup>  
 DIN 3.0-4.5 mm<sup>2</sup> - 4.0-6.0 mm<sup>2</sup>  
 PP / BRASS  
 Max. Electrical Rating: 600 Volts - 105°C



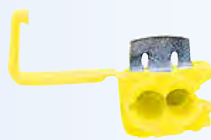
**KV.1563**  
 tab 0.5-1.0 mm<sup>2</sup>  
 50



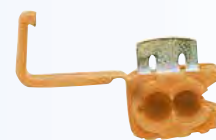
**KV.1564**  
 d-tab 0.5-1.0 mm<sup>2</sup>  
 50







**KV.1560**  
 tab 0.75-2.5 mm<sup>2</sup>  
 50



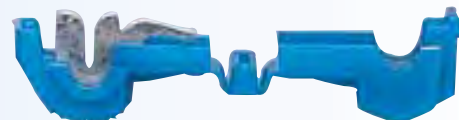
**KV.1561**  
 tab 1.5-2.5 mm<sup>2</sup>  
 50



**KV.1562**  
 tab 2.5-4.0 mm<sup>2</sup>  
 10

-  Quick-Lock verbinders
-  Quick-Lock connector
-  Abzweigverbinder
-  Connecteurs de dérivation

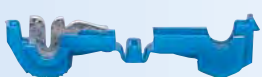
DIN 0.5-1.0 mm<sup>2</sup> - 0.75-2.5 mm<sup>2</sup>  
 DIN 3.0-4.5 mm<sup>2</sup> - 4.0-6.0 mm<sup>2</sup>  
 PP / BRASS  
 Max. Electrical Rating: 600 Volts - 105°C



**KV.951**  
 tab 0.5-1.0 mm<sup>2</sup>  
 50



**KV.1952**  
 tab 0.5-1.0 mm<sup>2</sup>  
 50



**KV.952**  
 tab 1.0-2.5 mm<sup>2</sup>  
 50







**KV.1951**  
 tab 1.0-2.5 mm<sup>2</sup>  
 50



**KV.953**  
 tab 2.0-6.0 mm<sup>2</sup>  
 50



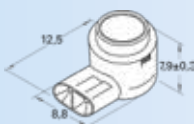
**KV.1953**  
 tab 2.0-6.0 mm<sup>2</sup>  
 50

-  Quick-Lock verbinders met Gel
-  Quick-Lock connector with Gel
-  Abzweigverbinder mit Gel
-  Connecteurs de dérivation avec Gel

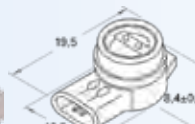
Messing - UL94 V0  
 Max. Electrical Rating: 500 Volts - 40°C / +125°C







**KV.1590** Aantal polen 2  
 Kabeldiameter tot [mm] 1,5 mm  
 Doorsnede (mm<sup>2</sup>) vanaf 0,13 mm<sup>2</sup>  
 Doorsnede (mm<sup>2</sup>) tot 0,35 mm<sup>2</sup>  
 Spatwaterafscherming  
 Corrosiebestendig  
 Diepte (mm) 8,8 mm  
 25



**KV.1591** Aantal polen 3  
 Kabeldiameter tot [mm] 1,7 mm  
 Doorsnede (mm<sup>2</sup>) vanaf 0,13 mm<sup>2</sup>  
 Doorsnede (mm<sup>2</sup>) tot 0,35 mm<sup>2</sup>  
 Spatwaterafscherming  
 Corrosiebestendig  
 Diepte (mm) 12,5 mm  
 25



**KV.1592** Aantal polen 3  
 Breedte (mm) 25 mm  
 Hoogte (mm) 17 mm  
 Diepte (mm) 23 mm  
 Kabeldiameter tot [mm] 3,8 mm  
 Doorsnede (mm<sup>2</sup>) vanaf 0,5 mm<sup>2</sup>  
 Doorsnede (mm<sup>2</sup>) tot 2,5 mm<sup>2</sup>  
 25

-  Kabel aftakconnectoren
-  Split connector wire sets
-  Kabelabzweigverbinder
-  Connecteurs à câble de dérivation

DIN 0.5-1.0 mm<sup>2</sup> - 0.75-2.5 mm<sup>2</sup>  
 DIN 3.0-4.5 mm<sup>2</sup> - 4.0-6.0 mm<sup>2</sup>  
 PP / BRASS  
 Max. Electrical Rating: 600 Volts - 105°C



**KV.15039**  
 1 x M-B+ 2 X F-REC - 25







**KV.15635**  
 2 x M-B+ 1 X F-REC - 25












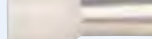





**KV.15040**  
 1 x M-DC+ 2 X F-DC - 25







**KV.15063**  
 2 x M-DC+ 1 X F-DC - 25

-  **Adereindhulzen 1p. geïsoleerd**
-  **Cord end terminals 1p. Insulated**
-  **Kabelendhülsen 1p. isoliert**
-  **Douilles de câble pré-isolé - 1P**














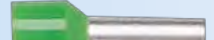
Code 'T' French  
0,5 mm<sup>2</sup> - 95,0 mm<sup>2</sup>  
DIN 46228/4  
PVC - max. temp 105°C

					
<b>KV.198</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.199</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.125</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.126</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.127</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.128</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>
0.25 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.5 mm <sup>2</sup>	0.75 mm <sup>2</sup>	1.0 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Ø 0.8 - L 10.4	Ø 0.8 - L 10.4	Ø 1.0 - L 14.0	Ø 1.2 - L 14.6	Ø 1.4 - L 14.6	Ø 1.7 - L 14.6
					
<b>KV.129</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.130</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.131</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.132</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.133</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.134</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>
2.5 mm <sup>2</sup>	4.0 mm <sup>2</sup>	6.0 mm <sup>2</sup>	10.0 mm <sup>2</sup>	16.0 mm <sup>2</sup>	25.0 mm <sup>2</sup>
Ø 2.2 - L 15.2	Ø 2.8 - L 16.5	Ø 3.5 - L 20.0	Ø 4.5 - L 21.0	Ø 5.8 - L 22.2	Ø 7.3 - L 29.0
					
<b>KV.140</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.141</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.196</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.197</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>		
35.0 mm <sup>2</sup>	50.0 mm <sup>2</sup>	70.0 mm <sup>2</sup>	95.0 mm <sup>2</sup>		
Ø 8.3 - L 29.4	Ø 10.3 - L 34.0	Ø 13.5 - L 35.0	Ø 14.5 - L 42.0		







-  **Adereindhulzen 1p. geïsoleerd**
-  **Cord end terminals 1p. Insulated**
-  **Kabelendhülsen 1p. isoliert**
-  **Douilles de câble pré-isolé - 1P**

Code 'D' German  
0,5 mm<sup>2</sup> - 50,0 mm<sup>2</sup>  
DIN 46228/4  
PVC - max. temp 105°C

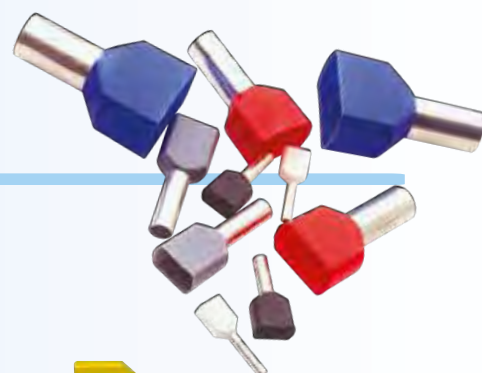
					
<b>KV.200</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.201</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.202</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.203</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.204</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.205</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>
0.25 mm <sup>2</sup>	0.34 mm <sup>2</sup>	0.50 mm <sup>2</sup>	0.75 mm <sup>2</sup>	1.0 mm <sup>2</sup>	1.5 mm <sup>2</sup>
L 10.4 - Ø 0.8	L 10.4 - Ø 0.8	L 14.0 - Ø 1.0	L 14.6 - Ø 1.2	L 14.6 - Ø 1.4	L 14.6 - Ø 1.7
					
<b>KV.206</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.207</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.208</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.209</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.210</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.211</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>
2.5 mm <sup>2</sup>	4.0 mm <sup>2</sup>	6.0 mm <sup>2</sup>	10.0 mm <sup>2</sup>	16.0 mm <sup>2</sup>	25.0 mm <sup>2</sup>
L 15.2 - Ø 2.2	L 16.5 - Ø 2.8	L 20.0 - Ø 3.5	L 21.0 - Ø 3.5	L 22.2 - Ø 5.8	L 29.0 - Ø 7.3
					
<b>KV.212</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.213</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>				
35.0 mm <sup>2</sup>	50.0 mm <sup>2</sup>				
L 29.4 - Ø 8.3	L 34.0 - Ø 10.3				






-  **Adereindhulzen 2p. geïsoleerd**
-  **Cord end terminals 2p. Insulated**
-  **Kabelendhülsen 2p. isoliert**
-  **Douilles de câble pré-isolé - 2P**

'TWIN' PVC DIN  
46228/4 max.  
temp 105°C

						
<b>KV.178</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.179</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.180</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.181</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.182</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.183</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.184</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>
2x0.5 mm <sup>2</sup>	2x0.75 mm <sup>2</sup>	2x1.0 mm <sup>2</sup>	2x1.5 mm <sup>2</sup>	2x2.5 mm <sup>2</sup>	2x4.0 mm <sup>2</sup>	2x6.0 mm <sup>2</sup>
L 15.0 - Ø 1.5	L 15.0 - Ø 1.8	L 15.0 - Ø 2.0	L 16.0 - Ø 2.3	L 18.0 - Ø 2.9	L 23.0 - Ø 3.8	L 24.0 - Ø 4.9
						
<b>KV.185</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>	<b>KV.186</b> <span style="border: 1px solid black; padding: 0 2px;">100</span>					
2x10.0 mm <sup>2</sup>	2x16.0 mm <sup>2</sup>					
L 26.0 - Ø 6.5	L 31.0 - Ø 7.3					



-  Kroonstrips 12p. PVC
-  Connector strips 12p. PVC
-  Klemleisten elastisch 12p. PVC
-  Cosse de lustre 12p. PVC



**KV.1102**  
1.5 - 2.5 mm<sup>2</sup> - 10



**KV.1122**  
2.5 - 6.0 mm<sup>2</sup> - 10







**KV.1142**  
10.0 mm<sup>2</sup> - 10



**KV.1152**  
16.0 mm<sup>2</sup> - 10



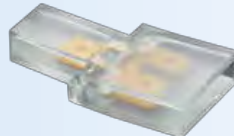
**KV.1153**  
25.0 mm<sup>2</sup> - 5

-  Doorverbindingsstrips
-  Line slice connectors flexible
-  Flachsteck Verbindungsleisten
-  elastisch Cosse de lustre

**PVC**  
6.3 x 0.8 max.  
temp 80°C







**KV.401**  
2 x 12p - 138x28x8 mm - 10



**KV.405**  
1 - 2p - 42x20.5x8 mm - 20



**KV.409**  
2 - 2p - 42x20.5x8 mm - 10

-  Kabeindhulzen geïsoleerd
-  Closed cord end terminals insulated
-  Kabelendverbinder Hülsen isoliert
-  Cosse de veine isolée

**NYLON**  
Max. Electrical Rating: 300 Volts - 105°C



**35115**  
0.50 - 1.65 mm<sup>2</sup> 50



**KV.442**  
1.0 - 3.0 mm<sup>2</sup> 50



**328730**  
2.5 - 6.0 mm<sup>2</sup> 50



**825036**  
6.0 - 10.0 mm<sup>2</sup> 50

# mato

# 5



**Krimp / soldeer kabelverbinders**



**Heat shrink / solder terminals**



**Schrumpf-Löt Verbinder**



**Connecteur thermoréactable à paroi mince / à souder**



**Krimp soldeer kabelverbinders met lijm**  
**Heat shrink solder terminals with adhesive**  
**Schrumpf-Löt Verbinder mit Innenkleber**  
**Connecteur thermoréactable à paroi mince à souder avec adhésif**



**DIN 0.3 - 10.0 mm<sup>2</sup> Polyolefin**  
**Op.Temp. +/-150°C**  
**Resistant.Temp -10 / +105°C**



**KV.1568**  
 0.3-0.8 mm<sup>2</sup>  
 Ø1.7 / L26.0 - 25



**KV.1574**  
 0.8-2.0 mm<sup>2</sup>  
 Ø2.7 / L42.0 - 25



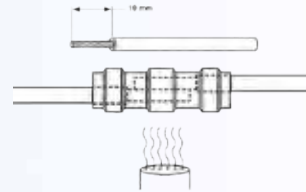
**KV.1575**  
 1.5-4.0 mm<sup>2</sup>  
 Ø4.5 / L42.0 - 25



**KV.1576**  
 4.0-6.0 mm<sup>2</sup>  
 Ø6.0 / L42.0 - 25



**KV.1569**  
 6.0-10.0 mm<sup>2</sup>  
 Ø10.0 / L42.0 - 25



**Krimp soldeer kabeleindverbinders met lijm**  
**Heat shrink closed end solder terminals with adhesive**  
**Schrumpf-Löt Endverbinder mit Innenkleber**  
**Connecteur thermoréactable à paroi mince à souder avec adhésif**



**DIN 0.3 - 10.0 mm<sup>2</sup> Polyolefin**  
**Op.Temp. +/-150°C**  
**Resistant Temp -10 / +105°C**



**KV.1577**  
 0.7-2.4 mm<sup>2</sup>  
 Ø 3.6 / L 38.3 - 25



**KV.1578**  
 2.0-4.0 mm<sup>2</sup>  
 Ø 5.0 / L 37.7 - 25



**KV.1579**  
 3.5-8.0 mm<sup>2</sup>  
 Ø7.5 / L 45.5 - 25



**KV.1580**  
 7.5-12.0 mm<sup>2</sup>  
 Ø 9.4 / L 45.0 - 25



**Krimp soldeer kabeleindverbinders**  
**Heat shrink closed end solder terminals**  
**Schrumpf-Löt Endverbinder**  
**Connecteur thermoréactable à paroi mince à souder**



**DIN 0.3 - 10.0 mm<sup>2</sup> Polyolefin**  
**Op.Temp. +/-150°C**  
**Resistant Temp -10 / +105°C**



**KV.1581**  
 0.7-2.4 mm<sup>2</sup>  
 Ø 3.1 / L 38.3 - 25



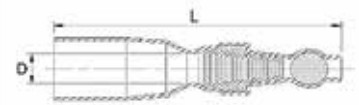
**KV.1582**  
 2.0-4.0 mm<sup>2</sup>  
 Ø 3.9 / L 37.7 - 25



**KV.1583**  
 3.5-8.0 mm<sup>2</sup>  
 Ø 5.35 / L 44.5 - 25



**KV.1584**  
 7.5-15.0 mm<sup>2</sup>  
 Ø 7.15 / L 45.5 - 25



**Krimp soldeer kabelverbinders met lijm**  
**Heat shrink solder terminals with adhesive**  
**Schrumpf-Löt Endverbinder mit Innenkleber**  
**Connecteur thermoréactable à paroi mince à souder avec adhésif**



**DIN 0.5 - 6.0 mm<sup>2</sup> Polyolefin**  
**Op.Temp. +/-150°C**  
**Resistant.Temp -10 / +105°C**



**KV.1570**  
 0.5-1.0 mm<sup>2</sup>  
 Ø3.5 / L25.0 - 25



**KV.1571**  
 0.5-1.5 mm<sup>2</sup>  
 Ø5.5 / L37.0 - 25



**KV.1572**  
 1.5-2.5 mm<sup>2</sup>  
 Ø6.4 / L37.0 - 25



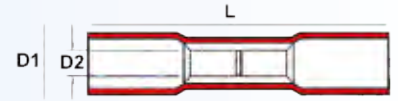
**KV.1573**  
 4.0-6.0 mm<sup>2</sup>  
 Ø8.0 / L42.0 - 25



- Krimp kabelverbinders met lijm
- Heat shrink terminals with adhesive
- Schrumpf-Crimpverbinder mit Innenkleber
- Connecteur thermoréactable à paroi mince avec adhésif



DIN 0.5 - 1.5 mm<sup>2</sup>  
Polyamide / Nylon  
Op.Temp. +/-150°C  
Max. Elect. Rating: 600V



D406.0001  
Ø3.56 - 1.40 / L31.75 mm 50



D406.0001B  
Ø3.56 - 1.40 / L31.75 mm 1000pcs



- Krimp kabelverbinders met lijm
- Heat shrink terminals with adhesive
- Schrumpf-Crimpverbinder mit Innenkleber
- Connecteur thermoréactable à paroi mince avec adhésif



DIN 1.5 - 2.5 mm<sup>2</sup>  
Polyamide / Nylon  
Op.Temp. +/-150°C  
Max. Elect. Rating: 600V



D406.0002  
Ø4.45 - 2.03 / L31.75 mm 50



D406.0002B  
Ø4.45 - 2.03 / L31.75 mm 1000pcs



- Krimp kabelverbinders met lijm
- Heat shrink terminals with adhesive
- Schrumpf-Crimpverbinder mit Innenkleber
- Connecteur thermoréactable à paroi mince avec adhésif



DIN 4.0 - 6.0 mm<sup>2</sup>  
Polyamide / Nylon  
Op.Temp. +/-150°C Max.  
Elect. Rating: 600V



D406.0003  
Ø6.22 - 2.79 / L38.10 mm 50



D406.0003B  
Ø6.22 - 2.79 / L38.10 mm 500pcs





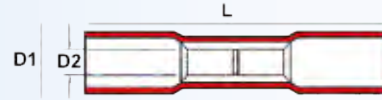
Krimp kabelverbinders met lijm  
 Heat shrink terminals with adhesive  
 Schrumpf-Crimpverbinder mit Innenkleber  
 Connecteur thermoréactable à paroi mince avec adhésif



DIN 0.1 - 0.5 mm<sup>2</sup>  
 Polyetheen  
 Op.Temp. +/-100°C  
 Max. Elect. Rating: 600V



KV.0000C 25  
 Ø3.7 - 1.0 / L34.3 mm



Krimp kabelverbinders met lijm  
 Heat shrink terminals with adhesive  
 Schrumpf-Crimpverbinder mit Innenkleber  
 Connecteur thermoréactable à paroi mince avec adhésif



DIN 0.5 - 1.5 mm<sup>2</sup>  
 Polyetheen  
 Op.Temp. +/-100°C  
 Max. Elect. Rating: 600V



KV.0001C 25  
 Ø4.3 - 1.4 / L34.3 mm



KV.0001CB 100pcs  
 Ø4.3 - 1.4 / L34.3 mm



Krimp kabelverbinders met lijm  
 Heat shrink terminals with adhesive  
 Schrumpf-Crimpverbinder mit Innenkleber  
 Connecteur thermoréactable à paroi mince avec adhésif



DIN 1.5 - 2.5 mm<sup>2</sup>  
 Polyetheen  
 Op.Temp. +/-100°C Max.  
 Elect. Rating: 600V



KV.0002C 25  
 Ø5.0 - 1.8 / L34.3 mm



KV.0002CB 100pcs  
 Ø5.0 - 1.8 / L34.3 mm



Krimp kabelverbinders met lijm  
 Heat shrink terminals with adhesive  
 Schrumpf-Crimpverbinder mit Innenkleber  
 Connecteur thermoréactable à paroi mince avec adhésif



DIN 4.0 - 6.0 mm<sup>2</sup>  
 Polyetheen  
 Op.Temp. +/-100°C Max.  
 Elect. Rating: 600V



KV.0003C 25  
 Ø6.5 - 2.2 / L34.3 mm



KV.0003C 100pcs  
 Ø6.5 - 2.2 / L34.3 mm





Krimp kabelverbinders met lijm  
 Heat shrink terminals with adhesive  
 Schrumpf-Crimpverbinder mit Innenkleber  
 Connecteur thermoréactable à paroi mince avec adhésif



DIN 0.5 - 1.5 mm<sup>2</sup>  
 Polyamide / Nylon  
 Op.Temp. +/-150°C  
 Max. Elect. Rating: 600V



**KV.0001**

Ø6.0 / L32.0 mm - 25



**KV.3631**

6.3 x 0.8 / L28.0 mm - 25



**KV.4631**

6.3 x 0.8 / L34.0 mm - 25



**KV.7401**

Ø5.5 / L35.0 mm - 25



**KV.8401**

Ø6.5 / L40.0 mm - 25



**KV.1401**

M4 - L32.8 mm - 25



**KV.1501**

M5 - L32.8 mm - 25



**KV.1601**

M6 - L38.0 mm - 25



**KV.1801**

M8 - L38.0 mm - 25



**KV.1991**

M10 - L41.6 mm - 25



**KV.2401**

M4 - L29.6 mm - 25



**KV.2501**

M5 - L30.5 mm - 25



**KV.6201**

2.0 mm - 25



Krimp kabelverbinders met lijm  
 Heat shrink terminals with adhesive  
 Schrumpf-Crimpverbinder mit Innenkleber  
 Connecteur thermoréactable à paroi mince avec adhésif



DIN 1.5 - 2.5 mm<sup>2</sup>  
 Polyamide / Nylon  
 Op.Temp. +/-150°C  
 Max. Elect. Rating: 600V



**KV.0002**

Ø7.0 / L36.0 mm - 25



**KV.3632**

6.3 x 0.8 / L28.0 mm - 25



**KV.4632**

6.3 x 0.8 / L34.0 mm - 25



**KV.7502**

Ø5.5 / L35.0 mm - 25



**KV.8502**

Ø6.5 / L40.0 mm - 25



**KV.1402**

M4 - L32.8 mm - 25



**KV.1502**

M5 - L32.8 mm - 25



**KV.1602**

M6 - L38.0 mm - 25



**KV.1802**

M8 - L38.0 mm - 25



**KV.1992**

M10 - L41.6 mm - 25



**KV.2402**

M4 - L29.6 mm - 25







**KV.2502**

M5 - L30.5 mm - 25





-  Krimp kabelverbinders met lijm
-  Heat shrink terminals with adhesive
-  Schrumpf-Crimpverbinder mit Innenkleber
-  Connecteur thermoréactable à paroi mince avec adhésif



DIN 4.0 - 6.0 mm<sup>2</sup>  
 Polyamide / Nylon  
 Op.Temp. +/-150°C  
 Max. Elect. Rating: 600V







**KV.0003** Ø8.7 / L38.0 mm - 25  
**KV.1504** 6.3 x 0.8 / L35.0 mm - 25  
**KV.1505** 6.3 x 0.8 / L28.0 mm - 25  
**KV.1506** 6.3 x 0.8 / L35.0 mm - 25  
**KV.1507** Ø8.1 / L35.0 mm - 25



**KV.1403** M4 - L32.8 mm - 25  
**KV.1503** M5 - L32.8 mm - 25  
**KV.1603** M6 - L38.0 mm - 25  
**KV.1803** M8 - L38.0 mm - 25  
**KV.1993** M10 - L41.6 mm - 25



**KV.2403** M4 - L29.6 mm - 25  
**KV.2503** M5 - L30.5 mm - 25





-  Krimp kabelverbinders met lijm
-  Heat shrink terminals with adhesive
-  Schrumpf-Crimpverbinder mit Innenkleber
-  Connecteur thermoréactable à paroi mince avec adhésif



DIN 0.5 - 6.0 mm<sup>2</sup> -  
 Female PE / Nylon  
 Op.Temp. +/-150°C  
 Max. Elect. Rating: 300V

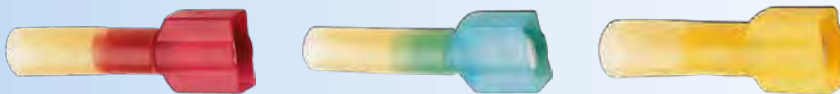


**KV.1508** 0.5-1.5 mm<sup>2</sup>  
 L36.5 / 10 AMP  
**KV.1509** 1.5-2.5 mm<sup>2</sup>  
 L36.5 / 15 AMP  
**KV.1510** 4.0-6.0 mm<sup>2</sup>  
 L36.5 / 24 AMP

-  Krimp kabelverbinders met lijm
-  Heat shrink terminals with adhesive
-  Schrumpf-Crimpverbinder mit Innenkleber
-  Connecteur thermoréactable à paroi mince avec adhésif



DIN 0.5 - 6.0 mm<sup>2</sup> - male  
 PE / Nylon  
 Op.Temp. +/-150°C  
 Max. Elect. Rating: 300V



**KV.1511** 0.5-1.5 mm<sup>2</sup>  
 L36.5 / 10 AMP  
**KV.1512** 1.5-2.5 mm<sup>2</sup>  
 L36.5 / 15 AMP  
**KV.1513** 4.0-6.0 mm<sup>2</sup>  
 L36.5 / 24 AMP





# mato

# 6



Kabelverbinders geïsoleerd TYCO/AMP



Pre insulated terminals TYCO/AMP







Kabelverbinder isoliert TYCO/AMP

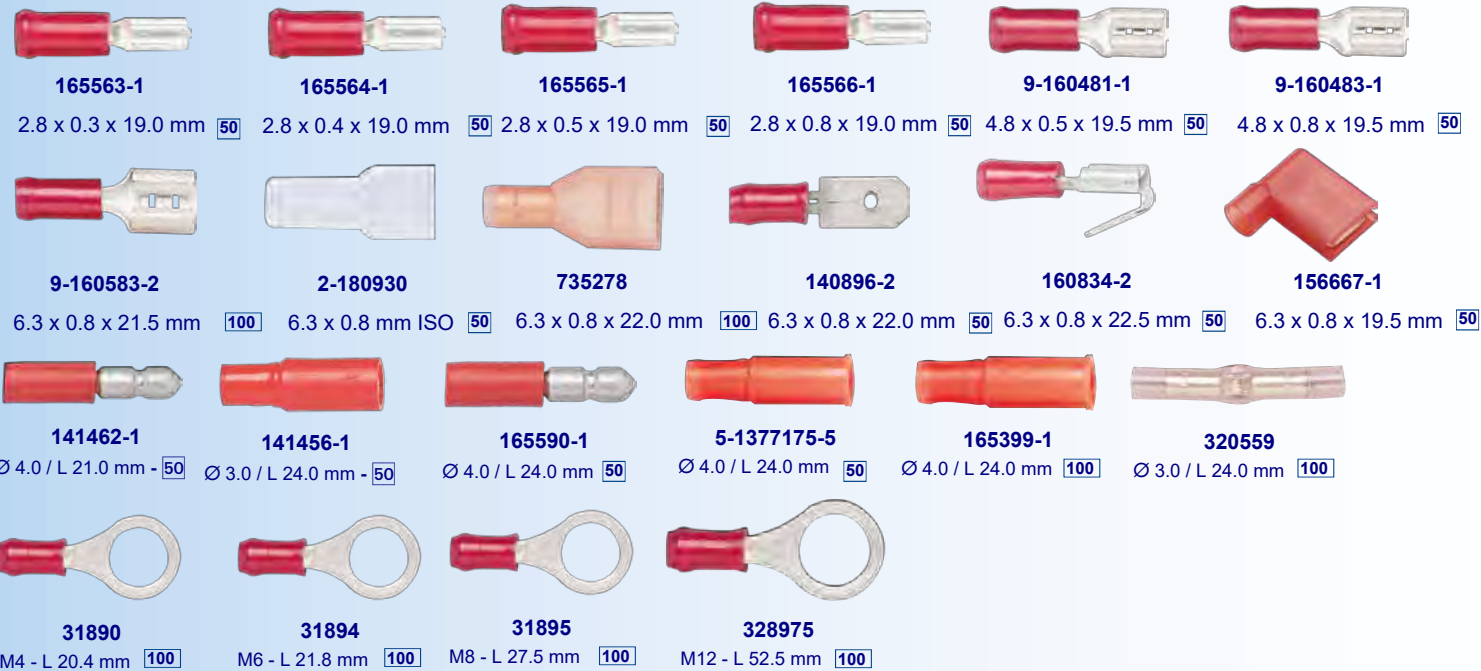






Cosse pré-isolée TYCO/AMP



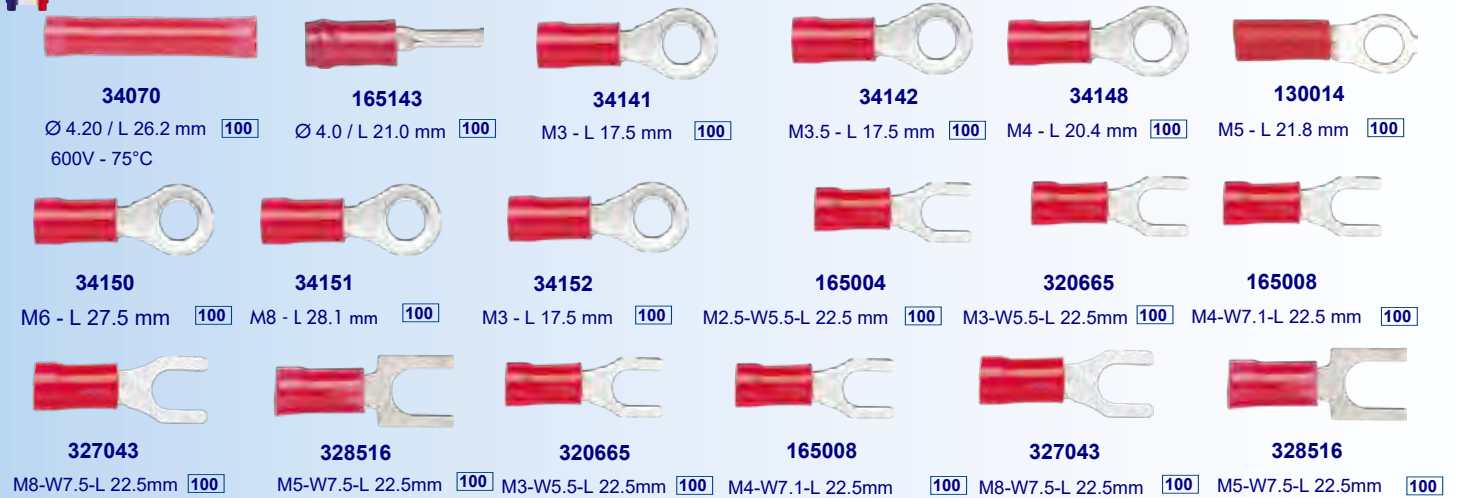
 Kabelverbinders geïsoleerd met versterkingshuls  
 Pre insulated terminal with anti vibration insert  
 Kabelverbinder isoliert mit Verstärkungshülse  
 Cosse pré-isolée renforcée





DIN 0.5 - 1.5 mm<sup>2</sup>  
 AWG 22 - 16 mm<sup>2</sup>  
 Nylon / Polyamide - DIN / ISO 46 245  
 Max. Electrical Rating: 300 Volts - 105°C



 Kabelverbinders geïsoleerd zonder versterkingshuls  
 Pre insulated terminal without anti vibration insert  
 Kabelverbinder isoliert ohne Verstärkungshülse  
 Cosse pré-isolée non renforcée





DIN 0.5 - 1.5 mm<sup>2</sup>  
 AWG 22 - 16 mm<sup>2</sup>  
 Nylon / Polyamide - DIN / ISO 46 245 Max.  
 Electrical Rating: 300 Volts - 105°C



 Kabelverbinders geïsoleerd met versterkingshuls  
 Pre insulated terminal with anti vibration insert  
 Kabelverbinder isoliert mit Verstärkungshülse  
 Cosse pré-isolée renforcée

DIN 1.5 - 2.5 mm<sup>2</sup>  
 AWG 16 - 14 mm<sup>2</sup>  
 Nylon / Polyamide - DIN / ISO 46 245  
 Max. Electrical Rating: 300 Volts - 105°C



-  Kabelverbinders geïsoleerd met versterkingshuls
-  Pre insulated terminal with anti vibration insert
-  Kabelverbinder isoliert mit Verstärkungshülse
-  Cosse pré-isolée renforcée





DIN 1.5 - 2.5 mm<sup>2</sup>  
 AWG 16 - 14 mm<sup>2</sup>  
 Nylon / Polyamide - DIN / ISO 46 245  
 Max. Electrical Rating: 300 Volts - 105°C



141452-1      141460-1      165429-1      160214      165536-1  
 Ø 3.0 / L 21.5 mm [50]    Ø 3.0 / L 24.5 mm [50]    Ø 4.0 / L 21.5 mm [50]    Ø 4.0 / L 24.5 mm [50]    6.3 x 0.8 x 21.5 mm [50]



156666-1      320565      321045      328998  
 6.3 x 0.8 x 15.2 mm [100]    M4 - L 22.1 mm [100]    M6 - L 27.5 mm [100]    M8 - L 28.1 mm [100]

-  Kabelverbinders geïsoleerd zonder versterkingshuls
-  Pre insulated terminal without anti vibration insert
-  Kabelverbinder isoliert ohne Verstärkungshülse
-  Cosse pré-isolée non renforcée





DIN 1.5 - 2.5 mm<sup>2</sup>  
 AWG 16 - 14 mm<sup>2</sup>  
 Nylon / Polyamide - DIN / ISO 46 245  
 Max. Electrical Rating: 300 Volts - 105°C



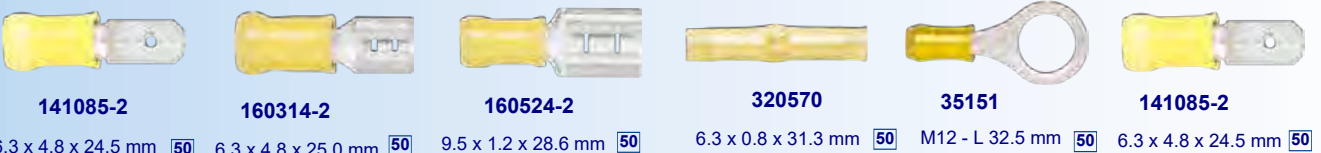
9-165075-0      165171      322994      34165      326741      34166      160171  
 Ø 2.0/L20.0 mm [50]    Ø 2.0 / L 23.0 mm [50]    M3-W7.5 - L22.5mm [50]    M3.5-W9.8-L22.5mm [50]    M4-W7.5-L22.5 mm [50]    M4-W9.8-L 22.5 mm [50]    M5-W7.5-L 22.5 mm [50]



160213      34158      34160      34161      130102      34162      34163      160136  
 M5-W9.8-L 22.5 mm [50]    M3.5 - L 20.6 mm [50]    M4 - L 20.6 mm [50]    M4.5 - L 20.6 mm [50]    M5 - L 23.0 mm [50]    M6 - L 27.5mm [50]    M8 - L 28.1mm [50]    M10 - L 31.7mm [50]

-  Kabelverbinders geïsoleerd met versterkingshuls
-  Pre insulated terminal with anti vibration insert
-  Kabelverbinder isoliert mit Verstärkungshülse
-  Cosse pré-isolée renforcée





DIN 4.0 - 6.0 mm<sup>2</sup>  
 AWG 12 - 10 mm<sup>2</sup>  
 Nylon / Polyamide - DIN / ISO 46 245  
 Max. Electrical Rating: 300 Volts - 105°C



141085-2      160314-2      160524-2      320570      35151      141085-2  
 6.3 x 4.8 x 24.5 mm [50]    6.3 x 4.8 x 25.0 mm [50]    9.5 x 1.2 x 28.6 mm [50]    6.3 x 0.8 x 31.3 mm [50]    M12 - L 32.5 mm [50]    6.3 x 4.8 x 24.5 mm [50]



165049      160404-2      KV.8092  
 Ø 2.0 / L 27.5 mm [50]    Ø 2.0 / L 33.5 mm [50]    6.3 x 0.8 x 16.9 mm [50]

-  Kabelverbinders geïsoleerd zonder versterkingshuls
-  Pre insulated terminal without anti vibration insert
-  Kabelverbinder isoliert ohne Verstärkungshülse
-  Cosse pré-isolée non renforcée

DIN 4.0 - 6.0 mm<sup>2</sup>  
 AWG 12 - 10 mm<sup>2</sup>  
 Nylon / Polyamide - DIN / ISO 46 245  
 Max. Electrical Rating: 300 Volts - 105°C



34072      165085      34852      34853      160292      165035      160296  
 Ø 6.6 / L 27.5 mm [50]    Ø 2.7 / L 27.5 mm [50]    M3 - L 26.7 mm [50]    M4 - L 26.7 mm [50]    M5 - L 26.7 mm [50]    6M6 - L 32.7 mm [50]    M8 - L 34.9 mm [50]



160124      165015      165017      165019  
 M10 - L 34.9 mm [50]    M4-W8.0-L 26.7mm [50]    M5-W9.0-L 26.7mm [50]    M6-W12.0-L30.3mm [50]

The advertisement features a dark blue background with a central lightning bolt graphic. Various types of metal terminals and connectors are scattered around the page, including ring terminals, spade terminals, and crimp-on terminals. Some are shown attached to wires, while others are loose. The brand name 'mato' is prominently displayed in a white, italicized font within a dark rounded rectangle. A large white number '7' is positioned on the left side, next to four small flag icons representing different countries. The text is in multiple languages: Dutch, English, German, and French.

# *mato*

# 7



Kabelverbinders ongeïsoleerd



Not insulated terminals



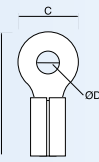
Kabelverbinder nicht isoliert



Cosse non-isolée



- Soldeer kabelogen kopervertind
- Soldering eyelet terminals - copper/tin
- Lötkaabelschuhe - messing/verzinkt
- Oeillet de cable à souder - non-isolée - cuivre/étain



**DIN 46211 - A**  
0.25 - 120 mm<sup>2</sup>



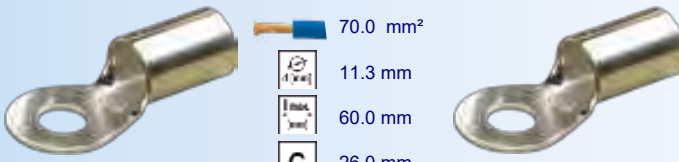
KV.2915	KV.2925	KV.2904	KV.2906	KV.2910	KV.2916	KV.29025	KV.29035
1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	4.0 mm <sup>2</sup>	6.0 mm <sup>2</sup>	10.0 mm <sup>2</sup>	16.0 mm <sup>2</sup>	25.0 mm <sup>2</sup>	35.0 mm <sup>2</sup>
3.6 mm	4.6 mm	6.0 mm	6.0 mm	8.5 mm	8.5 mm	8.8 mm	8.8 mm
16.0 mm	16.0 mm	20.0 mm	27.0 mm	28.0 mm	40.0 mm	40.0 mm	50.0 mm
<b>C</b> 8.5 mm	<b>C</b> 9.5 mm	<b>C</b> 11.0 mm	<b>C</b> 13.0 mm	<b>C</b> 14.0 mm	<b>C</b> 19.0 mm	<b>C</b> 19.0 mm	<b>C</b> 22.0 mm
vpe 50	vpe 50	vpe 50	vpe 50	vpe 50	vpe 25	vpe 25	vpe 10

**KV.29050**

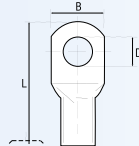
50.0 mm <sup>2</sup>
10.0 mm
50.0 mm
<b>C</b> 22.0 mm
vpe 10

**KV.29070**

70.0 mm <sup>2</sup>
11.3 mm
60.0 mm
<b>C</b> 26.0 mm
vpe 10



- Crimp kabelogen - XCT3 - kopervertind
- Crimp - lug terminals - XCT3 - copper/tin
- Ringform Quetschkabelschuhe - XCT3 - kupfer/verzinkt
- Oeillet de cable rectangulaire non-isolée - XCT3 - cuivre/étain



**TYCO - AMP**  
**XCT3**  
10.0 - 95 mm<sup>2</sup>







710031-2	710031-4	710031-6	710031-8	710030-3	710030-5	710030-7	710026-3
10.0 mm <sup>2</sup>	10.0 mm <sup>2</sup>	10.0 mm <sup>2</sup>	10.0 mm <sup>2</sup>	16.0 mm <sup>2</sup>	16.0 mm <sup>2</sup>	16.0 mm <sup>2</sup>	25.0 mm <sup>2</sup>
M 5	M 6	M 8	M 10	M 6	M 8	M 10	M 6
26.5 mm	26.5 mm	26.5 mm	36.5 mm	31.0 mm	31.0 mm	33.0 mm	32.0 mm
<b>B</b> 12.0 mm	<b>B</b> 12.0 mm	<b>B</b> 12.0 mm	<b>B</b> 18.0 mm	<b>B</b> 12.4 mm	<b>B</b> 12.4 mm	<b>B</b> 15.0 mm	<b>B</b> 14.0 mm
vpe 10	vpe 10	vpe 10	vpe 10	vpe 10	vpe 10	vpe 10	vpe 10

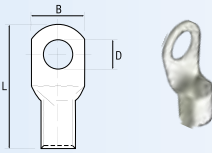


710026-5	710026-7	710026-8	710027-1	710027-2	710036-3	710036-4	710025-3
25.0 mm <sup>2</sup>	25.0 mm <sup>2</sup>	25.0 mm <sup>2</sup>	35.0 mm <sup>2</sup>	35.0 mm <sup>2</sup>	35.0 mm <sup>2</sup>	35.0 mm <sup>2</sup>	50.0 mm <sup>2</sup>
M 8	M 10	M 12	M 6	M 8	M 10	M 12	M 6
34.0 mm	34.0 mm	45.0 mm	38.0 mm	38.0 mm	40.5 mm	40.5 mm	43.0 mm
<b>B</b> 18.0 mm	<b>B</b> 18.0 mm	<b>B</b> 20.0 mm	<b>B</b> 16.0 mm	<b>B</b> 16.0 mm	<b>B</b> 17.5 mm	<b>B</b> 17.5 mm	<b>B</b> 18.0 mm
vpe 10	vpe 10	vpe 10	vpe 10	vpe 10	vpe 10	vpe 10	vpe 10



710025-2	710025-5	710025-7	710028-3	710028-5	709819-3	709819-5	KV.29120
50.0 mm <sup>2</sup>	50.0 mm <sup>2</sup>	50.0 mm <sup>2</sup>	70.0 mm <sup>2</sup>	70.0 mm <sup>2</sup>	95.0 mm <sup>2</sup>	95.0 mm <sup>2</sup>	120.0 mm <sup>2</sup>
M 8	M 10	M 12	M 10	M 12	M 10	M 12	M 12
43.0 mm	43.0 mm	51.5 mm	50.0 mm	50.0 mm	57.0 mm	57.0 mm	60.0 mm
<b>B</b> 18.0 mm	<b>B</b> 18.0 mm	<b>B</b> 18.0 mm	<b>B</b> 21.8 mm	<b>B</b> 21.8 mm	<b>B</b> 25.0 mm	<b>B</b> 25.0 mm	<b>B</b> 25.0 mm
vpe 10	vpe 10	vpe 10	vpe 10	vpe 10	vpe 10	vpe 10	vpe 10

 Crimp kabelogen kopervertind  
 Crimp - lug terminals copper/tin  
 Ringform Quetschkabelschuhe kupfer/  
 verzinkt Oillet de cable ronde cuivre/étain



**TYCO - AMP**  
**Solistrand**  
**10.0 - 120 mm<sup>2</sup>**

<b>34124</b>	<b>130106</b>	<b>35772</b>	<b>35773</b>	<b>160121</b>	<b>160013</b>
1.5 - 2.5 mm <sup>2</sup>	2.5 - 6.0 mm <sup>2</sup>	2.5 - 6.0 mm <sup>2</sup>	2.5 - 6.0 mm <sup>2</sup>	2.5 - 6.0 mm <sup>2</sup>	10.0 mm <sup>2</sup>
M 6.5	M 4.3	M 6.5	M 8.4	M 10.5	M 5.3
16 mm	14 mm	16 mm	19 mm	21 mm	16 mm
B 11 mm	B 8 mm	B 11 mm	B 14 mm	B 18 mm	B 10 mm
vpe 100	vpe 100	vpe 100	vpe 100	vpe 100	vpe 100





<b>33461</b>	<b>33462</b>	<b>160056</b>	<b>35664</b>	<b>33465</b>	<b>33466</b>
10.0 mm <sup>2</sup>	10.0 mm <sup>2</sup>	10.0 mm <sup>2</sup>	10.0 mm <sup>2</sup>	16.0 mm <sup>2</sup>	16.0 mm <sup>2</sup>
M 6.5	M 8.4	M 10.5	M 13.0	M 6.5	M 8.4
17 mm	20 mm	21 mm	23 mm	20 mm	22 mm
B 11 mm	B 14 mm	B 18 mm	B 22 mm	B 11 mm	B 14 mm
vpe 50	vpe 50	vpe 50	vpe 10	vpe 50	vpe 50

<b>160032</b>	<b>320344</b>	<b>33469</b>	<b>33470</b>	<b>160075</b>	<b>327175</b>
16.0 mm <sup>2</sup>	16.0 mm <sup>2</sup>	25.0 mm <sup>2</sup>	25.0 mm <sup>2</sup>	25.0 mm <sup>2</sup>	25.0 mm <sup>2</sup>
M 10.5	M 13.0	M 6.5	M 8.4	M 10.5	M 13.0
24 mm	26 mm	25 mm	25 mm	26 mm	31 mm
B 18 mm	B 22 mm	B 12 mm	B 16 mm	B 18 mm	B 22 mm
vpe 50	vpe 25	vpe 10	vpe 10	vpe 10	vpe 10

<b>320383</b>	<b>322870</b>	<b>160002</b>	<b>35185</b>	<b>36916</b>	<b>160000</b>
35.0 mm <sup>2</sup>	35.0 mm <sup>2</sup>	35.0 mm <sup>2</sup>	35.0 mm <sup>2</sup>	50.0 mm <sup>2</sup>	50.0 mm <sup>2</sup>
M 6.5	M 8.4	M 10.5	M 13.0	M 8.4	M 10.5
26 mm	26 mm	27 mm	31 mm	34 mm	34 mm
B 15 mm	B 16 mm	B 18 mm	B 22 mm	B 18 mm	B 18 mm
vpe 10	vpe 10	vpe 10	vpe 10	vpe 10	vpe 10

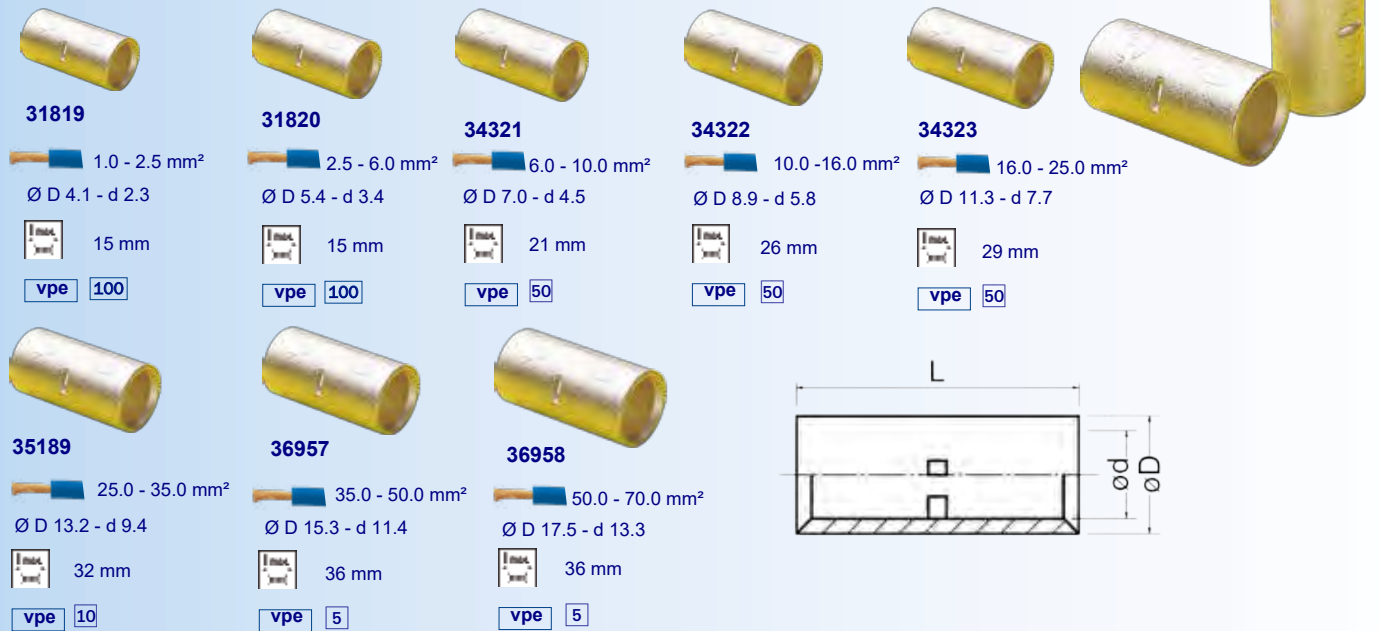
<b>36919</b>	<b>160001</b>	<b>36925</b>	<b>160003</b>	<b>36929</b>	<b>160129</b>
50.0 mm <sup>2</sup>	70.0 mm <sup>2</sup>	70.0 mm <sup>2</sup>	95.0 mm <sup>2</sup>	95.0 mm <sup>2</sup>	120.0 mm <sup>2</sup>
M 13.0	M 10.5	M 13.0	M 10.5	M 13.0	M 10.5
36 mm	38 mm	38 mm	42 mm	42 mm	44 mm
B 22 mm	B 22 mm	B 22 mm	B 24 mm	B 24 mm	B 24 mm
vpe 10	vpe 5	vpe 5	vpe 5	vpe 5	vpe 5

<b>36934</b>					
120.0 mm <sup>2</sup>					
M 13.0					
44 mm					
B 24 mm					
vpe 5					

-  Kabelogen - met schroefaansluiting - kopervertind
-  Lug terminals - with screwconnection - copper/tin
-  Stossverbinder - kupfer/verzinkt
-  Oeillet de cable ronde - a vis - cuivre/étain



-  Doorverbinders - kopervertind
-  Butt terminals - copper/tin
-  Stossverbinder - kupfer/verzinkt
-  Prolongateur - cuivre/étain



-  Draadpennen - kopervertind
-  Pin terminals - copper/tin
-  Stiftverbinder - kupfer/verzinkt
-  Broches - cuivre/étain









# *mato*

# 8



Connectorhuizen & connectors







Housings & terminals



Gehäuse & Stecker/Steckhülsen



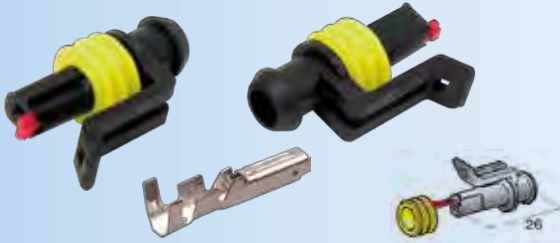
Boitiers & connecteurs

-  Superseal waterdichte connectorhuizen
-  Superseal waterproof connector housings
-  Superseal wasserdichte Steckverbindergehäuse
-  Superseal boîte de connecteur résistant de l'eau

Serie 1.5 mm  
 Max. 14 Amp.  
 IP 67  
 DIN 40050



**KV.143** 1 P - female vpe 10



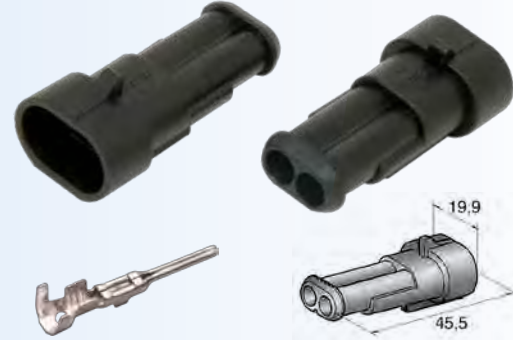
**KV.150** 1 P - male vpe 10



**KV.144** 2 P - female vpe 10



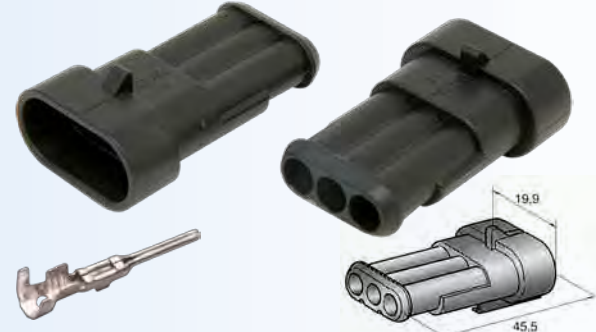
**KV.151** 2 P - male vpe 10



**KV.145** 3 P - female vpe 10



**KV.152** 3 P - male vpe 10



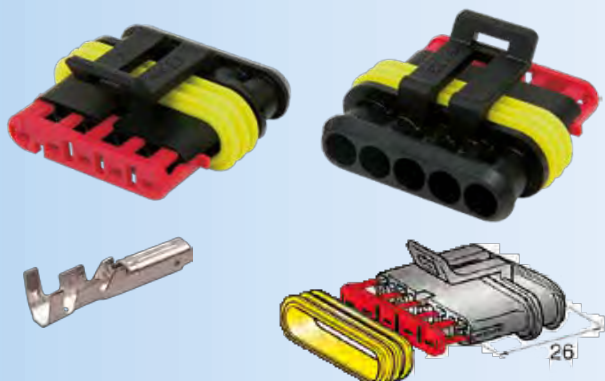
**KV.146** 4 P - female vpe 5



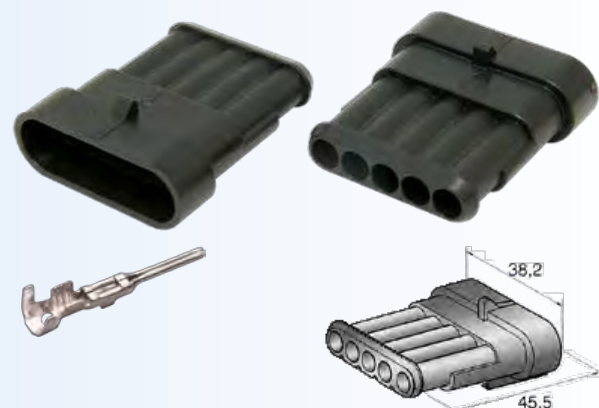
**KV.153** 4 P - male vpe 5







**KV.147** 5 P - female vpe 5

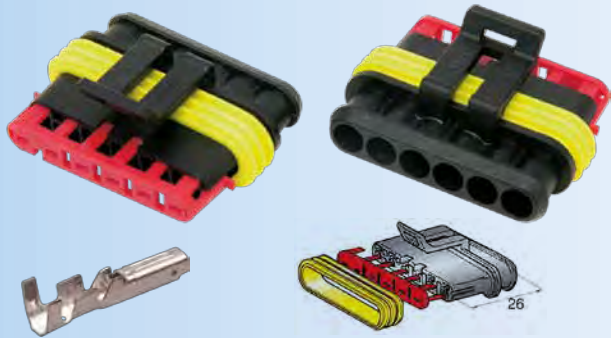


**KV.154** 5 P - male vpe 5



-  Superseal waterdichte connectorhuizen
-  Superseal waterproof connector housings
-  Superseal wasserdichte Steckverbindergehäuse
-  Superseal boîte de connecteur résistant de l'eau

KV.148 6 P - female vpe 5







Serie 1.5 mm  
Max. 14 Amp.  
IP 67  
DIN 40050



KV.155 6 P - male vpe 5



-  Superseal bus / pin connector terminals
-  Superseal male / female connector terminals
-  Superseal Flachstecker / Flachsteckhülsen
-  Superseal fiche et manchon à connecteur résistant de l'eau

Serie 1.5 mm  
Max. 14 Amp.  
IP 67  
DIN 40050

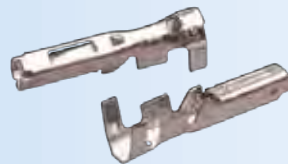


KV.214

type female

0.3 - 0.5 mm<sup>2</sup>

vpe 50

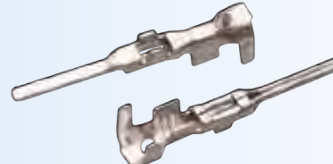


KV.149

type female

1.0 - 1.5 mm<sup>2</sup>

vpe 50

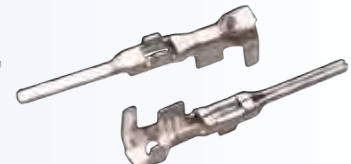


KV.215

type male

0.3 - 0.5 mm<sup>2</sup>

vpe 50




KV.156

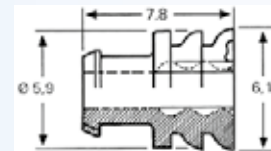
type male

1.0 - 1.5 mm<sup>2</sup>

vpe 50

-  Superseal afdichtingen en blinde stoppen
-  Superseal open / closed seals
-  Superseal Abdichtungen / Blindstopfen
-  Superseal capuchons / arrets

Serie 1.5 mm  
Max. 14 Amp.  
IP 67  
DIN 40050



KV.216

1.4 - 1.7 mm

vpe 50



KV.157

1.8 - 2.4 mm

vpe 50



KV.217

2.8 - 3.3 mm





vpe 50



KV.158





vpe 50



-  Superseal T 3X2 waterdichte connectorhuizen
-  Superseal T 3X2 waterproof connector housings
-  Superseal T 3X2 wasserdichte Steckverbindergehäuse
-  Superseal T 3X2 boîte de connecteur .resistant de l'eau

KV.165 Serie 1.5 mm  
Max. 14 Amp.  
IP 67  
DIN 40050



-  Superseal waterdichte connectorhuizen blister
-  Superseal waterproof connector housings blister
-  Superseal wasserdichte Steckverbindergehäuse blister
-  Superseal boîte de connecteur résistant de l'eau blister

Serie 1.5 mm  
Max. 14 Amp.  
IP 67  
DIN 40050



KV.143BLS 1 P.female blister 1

KV.143BLS 1 P.female blister 1



KV.150BLS 1 P.male blister 1



KV.144BLS 2 P.female blister 1



KV.151BLS 2 P.male blister 1



KV.145BLS 3 P.female blister 1



KV.152BLS 3 P.male blister 1



KV.146BLS 4 P.female blister 1



KV.153BLS 4 P.male blister 1



KV.147BLS 5 P.female blister 1



KV.154BLS 5 P.male blister 1



KV.148BLS . P.female blister 1



KV.155BLS 6 P.male blister 1



KV.216BLS 1.4 - 1.7MM blister 1



KV.157BLS 1.8 - 2.4MM blister 1



KV.217BLS 2.8 - 3.3MM blister 1

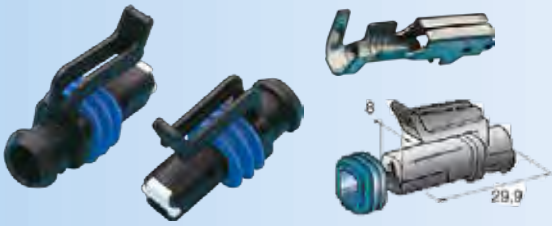


- Superseal waterdichte connectorhuizen
- Superseal waterproof connector housings
- Superseal wasserdichte Steckverbindergehäuse
- Superseal boîte de connecteur résistant de l'eau

Serie 2.8 mm  
Max. 24 Amp.  
IP 67  
DIN 40050



**KV.218** 1 P - female vpe 5



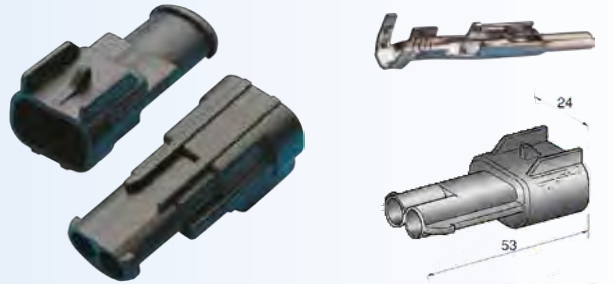
**KV.219** 1 P - male vpe 5



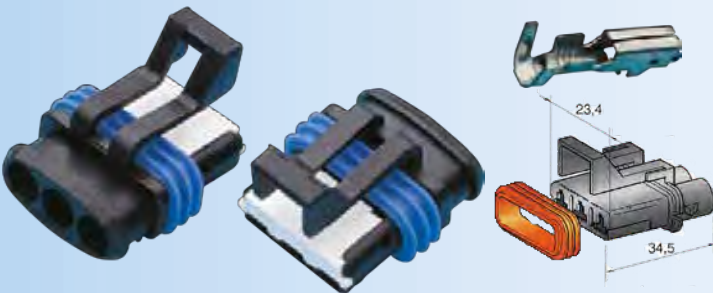
**KV.220** 2 P - female vpe 5



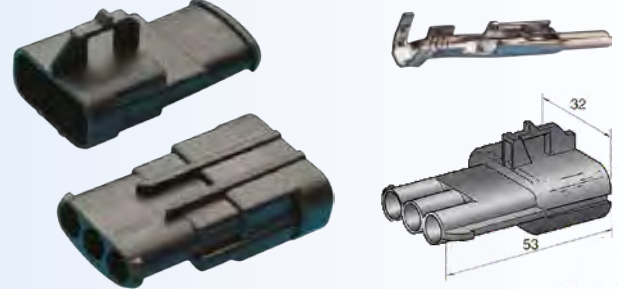
**KV.221** 2 P - male vpe 5



**KV.222** 3 P - female vpe 5



**KV.223** 3 P - male vpe 5



- Superseal bus / pen connector terminals
- Superseal male / female connector terminals
- Superseal Flachstecker / Flachsteckhülsen
- Superseal fiche et manchon à connecteur résistant de l'eau

Serie 2.8 mm  
Max. 24 Amp.  
IP 67  
DIN 40050



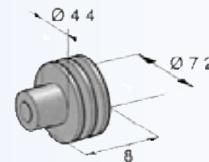
**KV.224**  
type female  
 0.5 - 1.5 mm<sup>2</sup>  
vpe 50



**KV.226**  
type male  
 0.5 - 1.5 mm<sup>2</sup>  
vpe 50

- Superseal afdichtingen en blinde stoppen
- Superseal open / closed seals
- Superseal Abdichtungen / Blindstopfen
- Superseal capuchons / arrêts

Serie 2.8 mm  
Max. 24 Amp.  
IP 67  
DIN 40050







**KV.230**  
type 2.3 - 2.8 mm  
vpe 50



**KV.231**  
type 2.8 - 3.5 mm  
vpe 50



**KV.232**  
type 3.5 - 4.21 mm  
vpe 50

-  Superseal waterdichte connectorhuizen blister
-  Superseal waterproof connector housings blister
-  Superseal wasserdichte Steckverbindergehäuse blister
-  Superseal boîte de connecteur résistant de l'eau blister

Serie 2.8 mm  
 Max. 24 Amp.  
 IP 67  
 DIN 40050







KV.218BLS 1 P - female blister 1 KV.219BLS 1 P - male blister 1 KV.220BLS 2 P - female blister 1 KV.221BLS 2 P - male blister 1



KV.222BLS 3 P - female blister 1 KV.223BLS 3 P - male blister 1 KV.232BLS 3.5-4.21MM blister 1



-  Superseal waterdichte connectorhuizen sets
-  Superseal waterproof connector housings sets
-  Superseal wasserdichte Steckverbindergehäuse sets
-  Superseal boîte de connecteur résistant de l'eau sets

Serie 2.8 mm  
 Max. 24 Amp.  
 IP 67  
 DIN 40050



KV.227 SET 1P VPE 1

KV.228 SET 2P VPE 1





KV.229 SET 3P VPE 1



Inhoud:  
 1 x KV.218  
 1 x KV.219  
 2 x KV.232  
 1 x KV.224  
 1 x KV.226

Inhoud:  
 1 x KV.220  
 1 x KV.221  
 4 x KV.232  
 2 x KV.224  
 2 x KV.226

Inhoud:  
 1 x KV.222  
 1 x KV.223  
 6 x KV.232  
 3 x KV.224  
 3 x KV.226

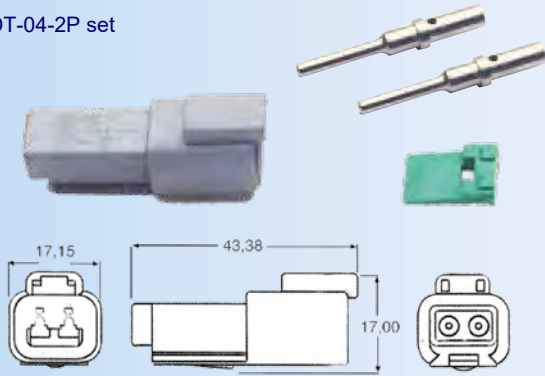
-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülse
-  Boîtiers et connecteurs pour contacts à sertir

**DEUTSCH**  
**DT serie**  
**Max. 13 Amp**



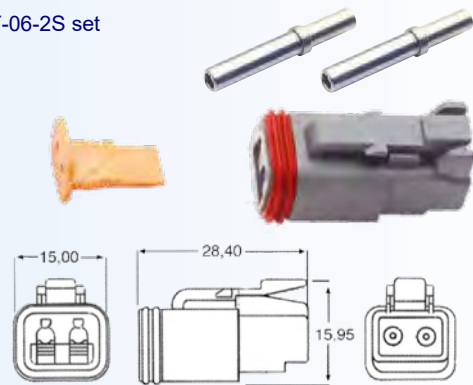
**KV.954 SET 2 P - male** vpe 1

DT-04-2P set



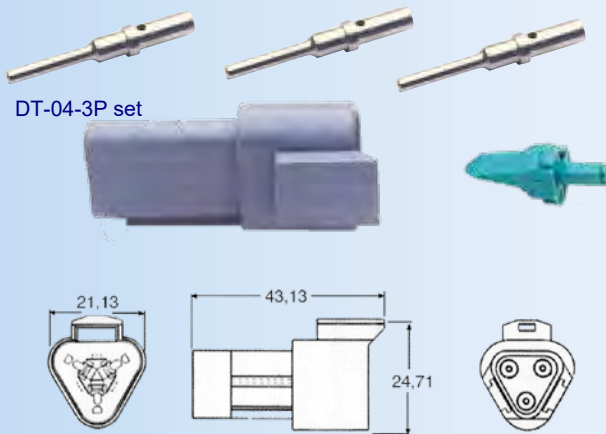
**KV.955 SET 2 P - female** vpe 1

DT-06-2S set



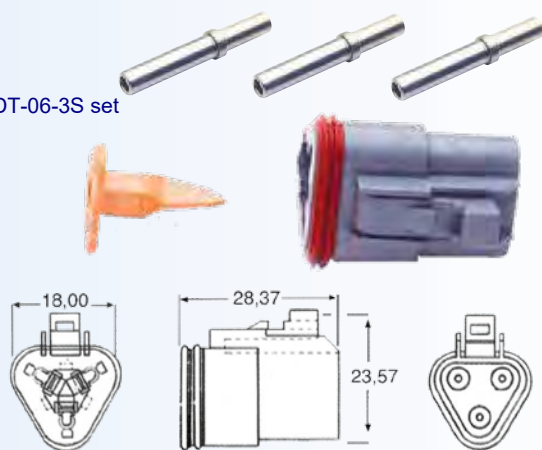
**KV.956 SET 3 P - male** vpe 1

DT-04-3P set



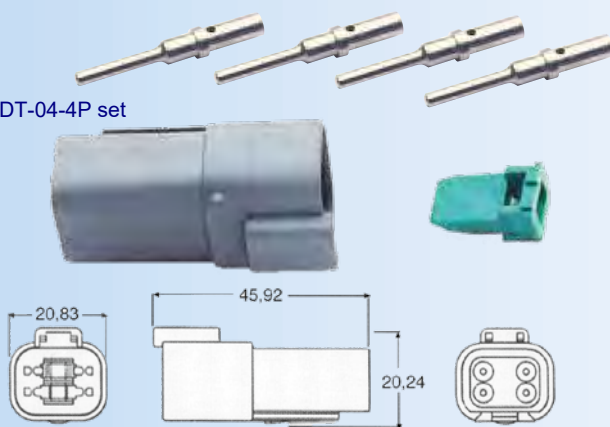
**KV.957 SET 3 P - female** vpe 1

DT-06-3S set



**KV.958 SET 4 P - male** vpe 1

DT-04-4P set



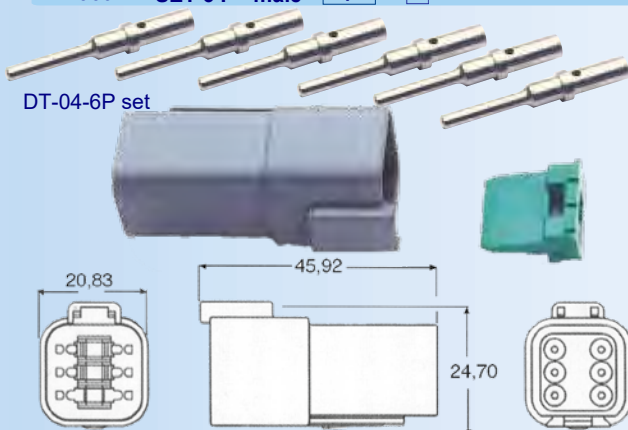
**KV.959 SET 4 P - female** vpe 1

DT-06-4S set



**KV.960 SET 6 P - male** vpe 1

DT-04-6P set







**KV.961 SET 6 P - female** vpe 1

DT-06-6S set





-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülse
-  Boîtiers et connecteurs pour contacts à sertir

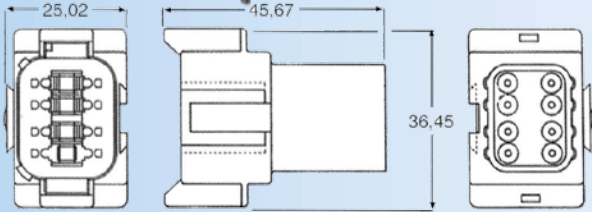
**DEUTSCH**  
DT serie  
Max. 13 Amp.



**KV.962 SET 8 P - male vpe 1**



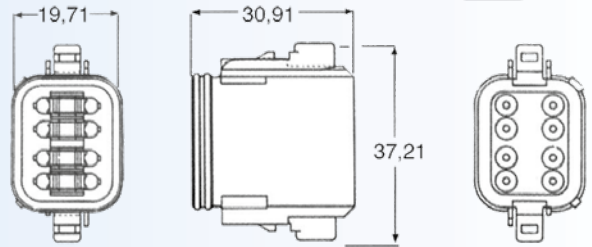
DT-04-8PA set



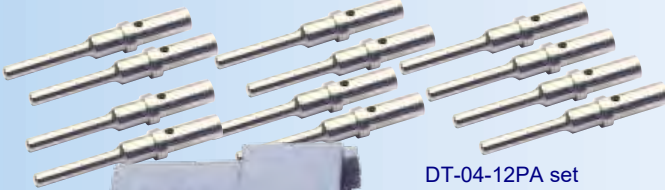
**KV.963 SET 8 P - female vpe 1**



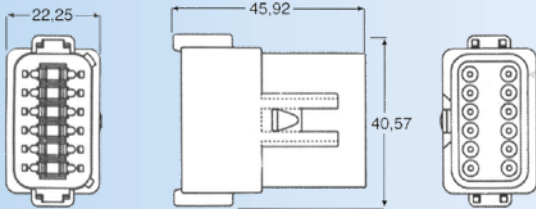
DT-06-8SA set



**KV.964 SET 12 P - male vpe 1**



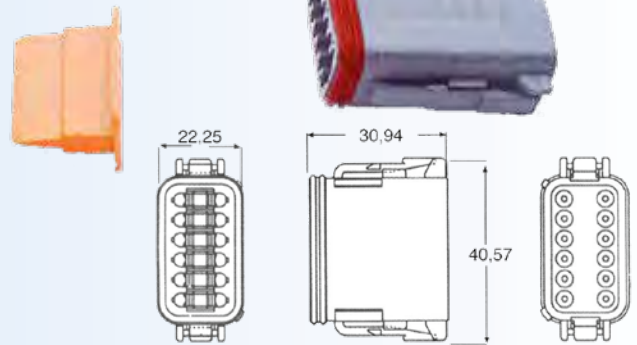
DT-04-12PA set







**KV.965 SET 12 P - female vpe 1**



DT-06-12SA set



-  Multi-connector huizen
  -  Multi-connector housings
  -  Flachsteckgehäuse
  -  Boîtiers
- DEUTSCH**  
DT serie  
Max. 13 Amp.



**KV.966 2 P - male vpe 10**

DT-04-2P



**KV.967 3 P - male vpe 10**

DT-04-3P



**KV.968 4 P - male vpe 10**

DT-04-4P



**KV.969 6 P - male vpe 10**

DT-04-6P



**KV.970 8 P - male vpe 10**





DT-04-8PA



**KV.971 12 P - male vpe 10**

DT-04-12PA



-  Multi-connector huizen
-  Multi-connector housings
-  Flachsteckgehäuse
-  Boîtiers

**DEUTSCH**  
**DT serie**  
**Max. 13 Amp.**



**KV.972 2 P - female** vpe 10

**DT-06-2S**



**KV.973 3 P - female** vpe 10

**DT-06-3S**



**KV.974 4 P - female** vpe 10

**DT-06-4S**



**KV.975 6 P - female** vpe 10

**DT-06-6S**



**KV.976 8 P - female** vpe 10

**DT-06-8SA**



**KV.977 12 P - female** vpe 10

**DT-06-12SA**



**SEC.LOCK DEUTSCH FEMALE**

**KV.984 2P female**

W2S



vpe 10

**KV.985 3P female**

W3S



vpe 10

**KV.986 4P female**

W4S



vpe 10

**KV.987 6P female**

W6S



vpe 10

**KV.988 8P female**

W8SA



vpe 10

**KV.989 12P female**

W12S



vpe 10

**SEC.LOCK DEUTSCH MALE**

**KV.978 2P male**

W2P



vpe 10

**KV.979 3P male**

W3P



vpe 10

**KV.980 4P male**

W4P



vpe 10

**KV.981 6P male**

W6P



vpe 10

**KV.982 8P male**

W8PA



vpe 10

**KV.983 12P male**

W12P



vpe 10

**Terminals DEUTSCH**



**KV.990**

type male

0.5 - 1.0 mm<sup>2</sup>

vpe 50



**KV.991**

type male

1.0 - 2.0 mm<sup>2</sup>

vpe 50



**KV.992**

type female

0.5 - 1.0 mm<sup>2</sup>

vpe 50

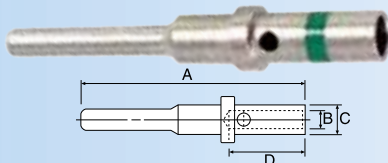


**KV.993**

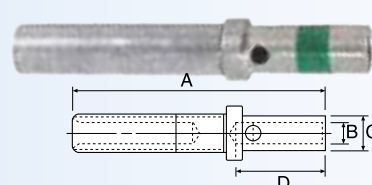
type female

1.0 - 2.0 mm<sup>2</sup>

vpe 50



	A	B	C	D
KV.990	20,85	1,68	2,62	6,35
KV.991	20,85	1,93	2,62	6,35



	A	B	C	D
KV.992	19,28	1,68	2,62	6,35
KV.993	19,23	1,93	2,62	6,35

114017





**SEALING PLUG AWG 12-18 DT SERIE (WHITE)**



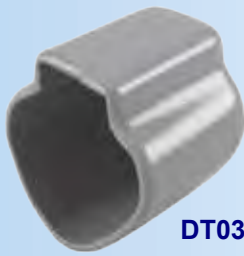
vpe 50



08-08

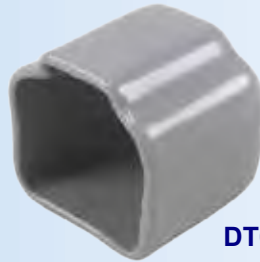
-  Multi-connector huizen
-  Multi-connector housings
-  Flachsteckgehäuse
-  Boîtiers

**DEUTSCH**  
**DT serie**  
 Max. 13 Amp.



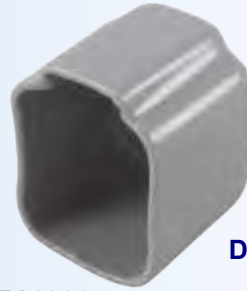
**DT03-DC**

**KV.994**  
 Deutsch Stofkap voor  
 DT 3 polig (1)



**DT04-DC**

**KV.996**  
 Deutsch Stofkap voor  
 DT 4 polig (1)



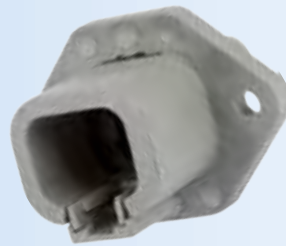
**DT06-DC**

**KV.9960**  
 Deutsch Stofkap  
 voor DT 6 polig (1)



**DT04-3P-L012**

**KV.995**  
 Deutsch Stekker DT 3 polig  
 Flens doorvoer (1)



**DT04-4P-L012**

**KV.997**  
 Deutsch Stekker DT 4 polig  
 Flens doorvoer (1)



**DT04-6P-L012**

**KV.9970**  
 Deutsch Stekker DT 6 polig  
 Flens doorvoer (1)







**KV.946**  
 Y VERDELER DEUTSCH



**AS.DEUTSCH DT**

inhoud	Art.nr.	Omschrijving
2 sets	KV.954	DEUTSCH SET DT-04-2P 2P MALE
2 sets	KV.956	DEUTSCH SET DT-04-3P 3P MALE
2 sets	KV.958	DEUTSCH SET DT-04-4P 4P MALE
1 set	KV.960	DEUTSCH SET DT-04-6P 6P MALE
1 set	KV.962	DEUTSCH SET DT-04-8P 8P MALE
10 stuks	KV.991	KBS DEUTSCH 1.0-2.0 MALE

inhoud	Art.nr.	Artikelomschrijving
2 sets	KV.955	DEUTSCH SET DT-06-2S 2P FEMALE
2 sets	KV.957	DEUTSCH SET DT-06-3S 3P FEMALE
2 sets	KV.959	DEUTSCH SET DT-06-4S 4P FEMALE
1 set	KV.961	DEUTSCH SET DT-06-6S 6P FEMALE
1 set	KV.963	DEUTSCH SET DT-06-8S 8P FEMALE
10 stuks	KV.993	KBS DEUTSCH 1.0-2.0 FEMALE

-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülsen
-  Boîtiers et connecteurs pour contacts à sertir

## DEUTSCH DTM PLUG serie

Max. 7.5 Amp.

**DTM06-2S 2 P - PLUG**



vpe 10

**DTM06-3S 3 P - PLUG**



vpe 10

**DTM06-4S 4 P - PLUG**



vpe 10

**WM2S 2 P - DTM WEDGE 2S**



vpe 10

**WM3S 3 P - DTM WEDGE 3S**



vpe 10

**WM4S 4 P - DTM WEDGE 4S**



vpe 10

**DTM06-6S 6 P - PLUG**



vpe 10

**DTM06-8S 8 P - PLUG**



vpe 10

**DTM06-12SA 12 P - PLUG**



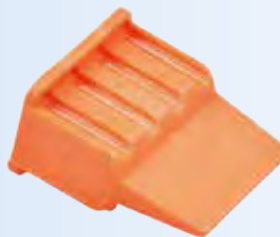
vpe 10

**WM6S 6P - DTM WEDGE 6S**



vpe 10

**WM8S 8 P - DTM WEDGE 8S**



vpe 10

**WM12S 12P - DTM WEDGE 12S**



vpe 10

46220120141

SOCKET CONTACT 0.2-0.5MM2 NICKEL AWG 24-20



vpe 50

4132042005

SEALING PLUG 20 DTM



vpe 50





DTM SERIES DIMENSIONS



DTM Plug

Cavity	Overall Length A	Overall Height B	Overall Width C
2	1.085 (27.56)	.508 (12.90)	.475 (12.07)
3	1.085 (27.56)	.551 (14.00)	.640 (16.26)
4	1.185 (30.10)	.695 (17.65)	.600 (15.24)
6	1.185 (30.10)	.817 (20.75)	.600 (15.24)
8	1.185 (30.10)	.600 (15.24)	1.245 (31.62)
12	1.185 (30.10)	.600 (15.24)	1.575 (40.01)

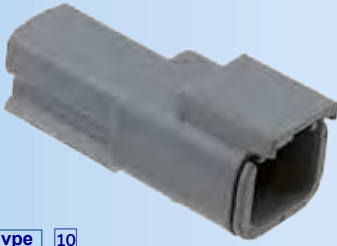
Dimensions are for reference only.

-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülse
-  Boîtiers et connecteurs pour contacts à sertir

**DEUTSCH DTM RECEPTACLE serie**

**Max. 7.5 Amp.**

**DTM04-2P 2 P - RECEPTABLE**



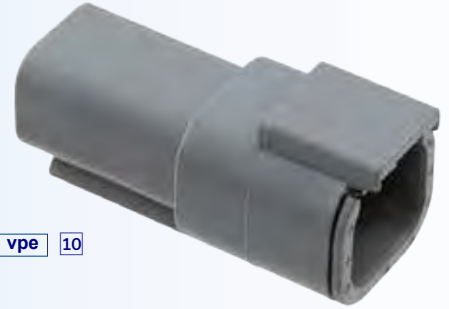
vpe 10

**DTM04-3P 3 P - RECEPTABLE**



vpe 10

**DTM04-4P 4 P - RECEPTABLE**



vpe 10

**WM2P 2 P - DTM WEDGE 2P**



vpe 10

**WM3P 3 P - DTM WEDGE 3P**



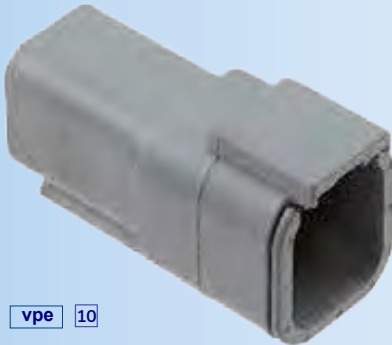
vpe 10

**WM4P 4 P - DTM WEDGE 4P**



vpe 10

**DTM04-6P 6 P - RECEPTABLE**



vpe 10

**DTM04-8P 8 P - RECEPTABLE**



vpe 10

**DTM04-12PA 12 P - RECEPTABLE**



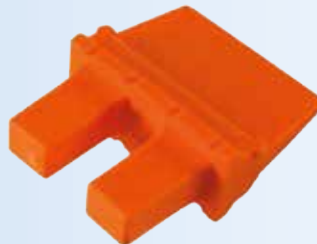
vpe 10

**WM6P 6 P - DTM WEDGE 6P**



vpe 10

**WM8S 8 P - DTM WEDGE 8S**



vpe 10

**WM12P 12P - DTM WEDGE 12P**



vpe 10

**46020220141**

**PIN CONTACT 0.2-0.5MM<sup>2</sup> NICKEL AWG 24-20**



vpe 50

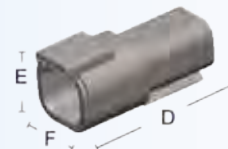
**4132042005**

**SEALING PLUG 20 DTM**







vpe 50

DTM SERIES DIMENSIONS



DTM Receptacle

Cavity	Overall Length D	Overall Height E	Overall Width F
2	1.620 (41.15)	.638 (16.21)	.651 (16.54)
3	1.620 (41.15)	.638 (16.21)	.861 (20.73)
4	1.720 (43.69)	.772 (19.61)	.756 (19.20)
6	1.720 (43.69)	.937 (23.80)	.756 (19.20)
8	1.720 (43.69)	.796 (20.22)	1.245 (31.62)
12	1.720 (43.69)	.796 (20.22)	1.575 (40.01)

-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülse
-  Boîtiers et connecteurs pour contacts à sertir

**VAG**

**KV.8006 F 2P - VAG 1.5 MM - IP X7**



vpe 10

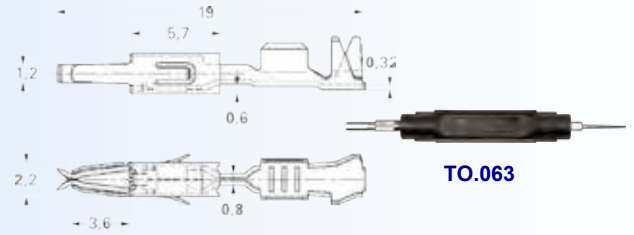


**KV.8008** Micro Timer II Gold F 1.5

0.2 - 0.5 mm<sup>2</sup> vpe 50

**KV.8009** Micro Timer II TIN/P F 1.5

0.5 - 1.0 mm<sup>2</sup> vpe 50



TO.063

**KV.8007 M 2P - VAG 1.5 MM - IP X7**



vpe 10

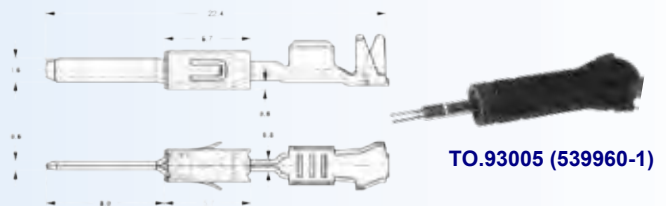


**KV.8010** Micro Timer II / MCP F 1.5

0.5 - 1.0 mm<sup>2</sup> vpe 50

**KV.8011** Micro Timer II / MCP F 1.5

0.2 - 0.5 mm<sup>2</sup> vpe 50



TO.93005 (539960-1)



**KV.8012**

Afdichting 0.35-1.0 mm<sup>2</sup>  
Tyco ELA 3.6  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50



**KV.8013**

Afdichting 0.5-0.75 mm<sup>2</sup>  
Tyco ELA 3.6  
Tyco MCP 1.5  
Tyco MT II / MT III

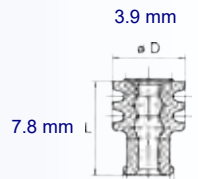
vpe 50



**KV.8014**

Afdichting 0.5-0.75 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50



**KV.8000 F 2P - VAG 2.8 MM - IP X7**



vpe 10



**92777-4** Junior Power Timer F 2.8

0.2 - 0.6 mm<sup>2</sup> vpe 50

**92779-1** Junior Power Timer F 2.8

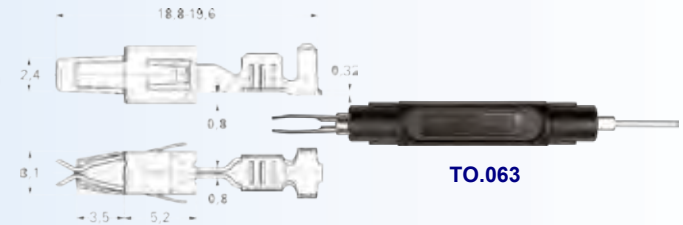
0.5 - 1.0 mm<sup>2</sup> vpe 100

**92777-3** Junior Power Timer F 2.8

0.5 - 2.5 mm<sup>2</sup> vpe 100

**92777-1** Junior Power Timer F 2.8

1.0 - 2.5 mm<sup>2</sup> vpe 100



TO.063

**KV.8005 M 2P - VAG 2.8 MM - IP X7**



vpe 10



**928931-2** Junior Power Timer M 2.8

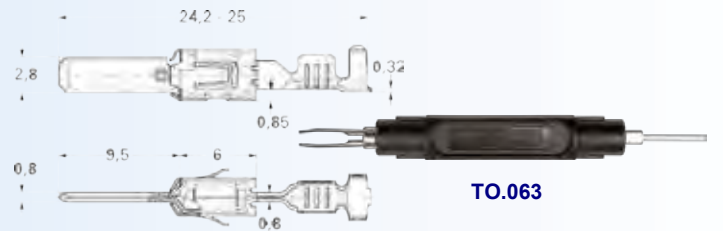
0.5 - 1.0 mm<sup>2</sup> vpe 50

**KV.116** Junior Power Timer M 2.8

1.0 - 2.5 mm<sup>2</sup> vpe 100

**928794-2** Junior Power Timer M 2.8

1.5 - 2.5 mm<sup>2</sup> vpe 100



TO.063



**KV.8001**

Afdichting 0.35-1.0 mm<sup>2</sup>  
AMP Tyco ELA 5.2  
AMP Tyco JPT  
AMP Tyco MCP 2.8

vpe 50



**KV.8002**

Afdichting 0.50-2.5 mm<sup>2</sup>  
AMP Tyco ELA 5.2  
AMP Tyco JPT  
AMP Tyco MCP 2.8

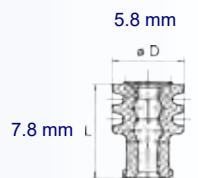
vpe 50



**KV.8003**

Afdichting 1.50-2.5 mm<sup>2</sup>  
AMP Tyco ELA 5.2  
AMP Tyco JPT  
AMP Tyco MCP 2.8





vpe 50



**KV.8004**

Afdichting 1.50-2.5 mm<sup>2</sup>  
AMP Tyco ELA 5.2

vpe 50

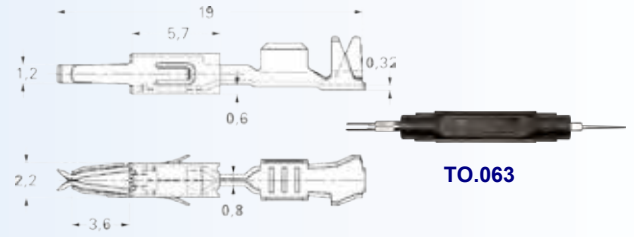
-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülse
-  Boîtiers et connecteurs pour contacts à sertir

VAG

**KV.8015 F 3P - VAG 1.5 MM - IP X7**



vpe 10



TO.063

**KV.8008 Micro Timer II Gold F 1.5**

0.2 - 0.5 mm<sup>2</sup> vpe 50

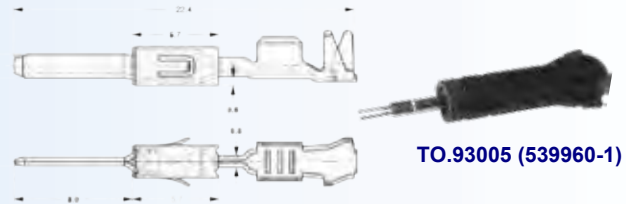
**KV.8009 Micro Timer II TIN/P F 1.5**

0.5 - 1.0 mm<sup>2</sup> vpe 50

**KV.8016 M 3P - VAG 1.5 MM - IP X7**



vpe 10



TO.93005 (539960-1)

**KV.8010 Micro Timer II / MCP F 1.5**

0.5 - 1.0 mm<sup>2</sup> vpe 50

**KV.8011 Micro Timer II / MCP F 1.5**

0.2 - 0.5 mm<sup>2</sup> vpe 50



**KV.8012**

Afdichting 0.35-1.0 mm<sup>2</sup>  
Tyco ELA 3.6  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50



**KV.8013**

Afdichting 0.5-0.75 mm<sup>2</sup>  
Tyco ELA 3.6  
Tyco MCP 1.5  
Tyco MT II / MT III

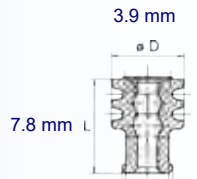
vpe 50



**KV.8014**

Afdichting 0.5-0.75 mm<sup>2</sup>  
Tyco ELB 3.6

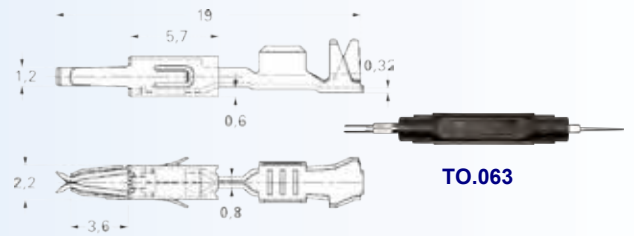
vpe 50



**KV.8017 F 4P - VAG 1.5 MM - IP X7**



vpe 10



TO.063

**KV.8008 Micro Timer II Gold F 1.5**

0.2 - 0.5 mm<sup>2</sup> vpe 50

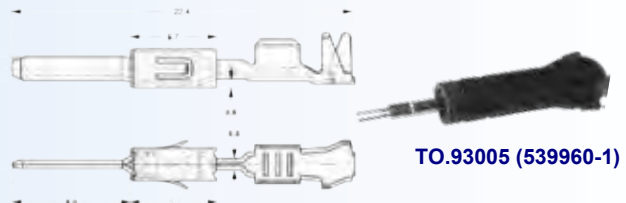
**KV.8009 Micro Timer II TIN/P F 1.5**

0.5 - 1.0 mm<sup>2</sup> vpe 50

**KV.8018 M 4P - VAG 1.5 MM - IP X7**



vpe 10



TO.93005 (539960-1)

**KV.8010 Micro Timer II / MCP F 1.5**

0.5 - 1.0 mm<sup>2</sup> vpe 50

**KV.8011 Micro Timer II / MCP F 1.5**

0.2 - 0.5 mm<sup>2</sup> vpe 50



**KV.8012**

Afdichting 0.35-1.0 mm<sup>2</sup>  
Tyco ELA 3.6  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50



**KV.8013**

Afdichting 0.5-0.75 mm<sup>2</sup>  
Tyco ELA 3.6  
Tyco MCP 1.5  
Tyco MT II / MT III

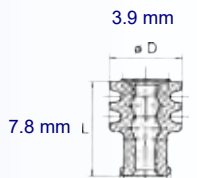
vpe 50







**KV.8014**

Afdichting 0.5-0.75 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50



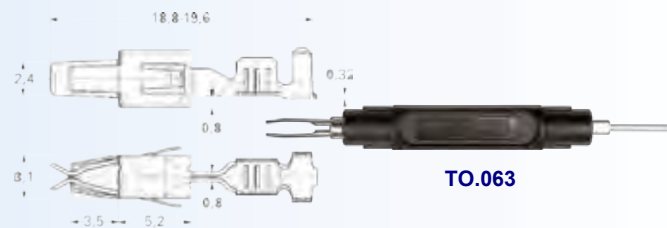
-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülsen
-  Boîtiers et connecteurs pour contacts à sertir

VAG





**KV.8019 F 4P - VAG 2.8 MM - IP X7**



vpe 10



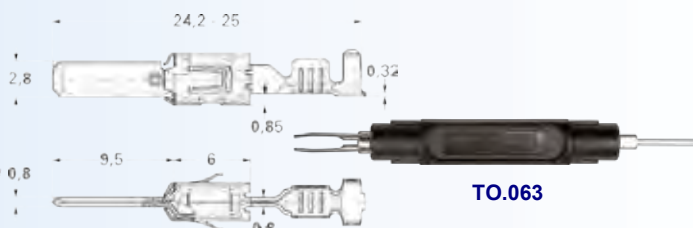
TO.063

- 927777-4 Junior Power Timer F 2.8  0.2 - 0.6 mm<sup>2</sup> vpe 50
- 927779-1 Junior Power Timer F 2.8  0.5 - 1.0 mm<sup>2</sup> vpe 100
- 927777-3 Junior Power Timer F 2.8  0.5 - 2.5 mm<sup>2</sup> vpe 100
- 927777-1 Junior Power Timer F 2.8  1.0 - 2.5 mm<sup>2</sup> vpe 100




**KV.8020 M 4P - VAG 2.8 MM - IP X7**



vpe 10



TO.063

- 928931-2 Junior Power Timer M 2.8  0.5 - 1.0 mm<sup>2</sup> vpe 50
- KV.116 Junior Power Timer M 2.8  1.0 - 2.5 mm<sup>2</sup> vpe 100
- 928794-2 Junior Power Timer M 2.8  1.5 - 2.5 mm<sup>2</sup> vpe 100

**KV.8001**  
Afdichting 0.35-1.0 mm<sup>2</sup>  
AMP Tyco ELA 5.2  
AMP Tyco JPT  
AMP Tyco MCP 2.8

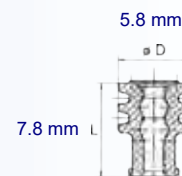
vpe 50

**KV.8002**  
Afdichting 0.50-2.5 mm<sup>2</sup>  
AMP Tyco ELA 5.2  
AMP Tyco JPT  
AMP Tyco MCP 2.8

vpe 50

**KV.8003**  
Afdichting 1.50-2.5 mm<sup>2</sup>  
AMP Tyco ELA 5.2  
AMP Tyco JPT  
AMP Tyco MCP 2.8

vpe 50



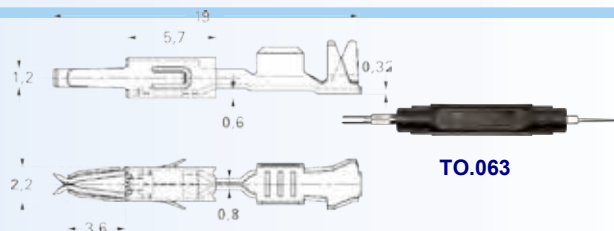
**KV.8004**  
Afdichting 1.50-2.5 mm<sup>2</sup>  
AMP Tyco ELA 5.2

vpe 50

**KV.8021 F 6P - VAG 1.5 MM - IP X7**



vpe 10



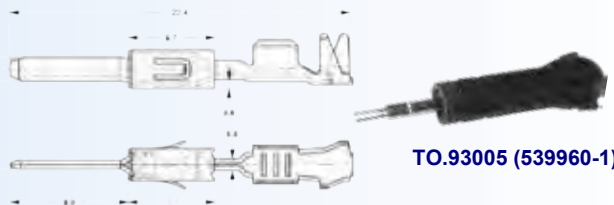
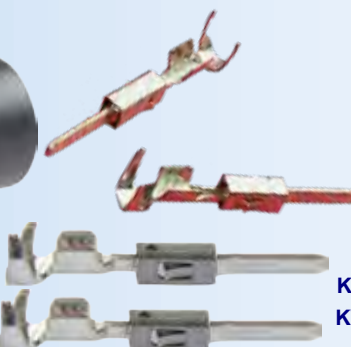
TO.063

- KV.8008** Micro Timer II Gold F 1.5  0.2 - 0.5 mm<sup>2</sup> vpe 50
- KV.8009** Micro Timer II TIN/P F 1.5  0.5 - 1.0 mm<sup>2</sup> vpe 50



**KV.8022 M 6P - VAG 1.5 MM - IP X7**



vpe 10



TO.93005 (539960-1)

- KV.8010** Micro Timer II / MCP F 1.5  0.5 - 1.0 mm<sup>2</sup> vpe 50
- KV.8011** Micro Timer II / MCP F 1.5  0.2 - 0.5 mm<sup>2</sup> vpe 50

**KV.8012**  
Afdichting 0.35-1.0 mm<sup>2</sup>  
Tyco ELA 3.6  
Tyco MCP 1.5  
Tyco MT II / MT III

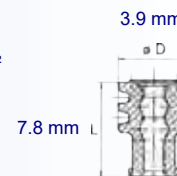
vpe 50

**KV.8013**  
Afdichting 0.5-0.75 mm<sup>2</sup>  
Tyco ELA 3.6  
Tyco MCP 1.5  
Tyco MT II / MT III





vpe 50

**KV.8014**  
Afdichting 0.5-0.75 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50





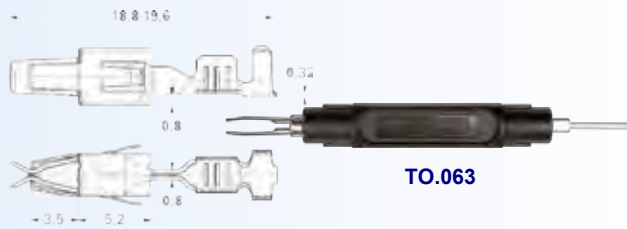
-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülzen
-  Boîtiers et connecteurs pour contacts à sertir

## VAG





### KV.8023 F 6P - VAG 2.8 MM - IP X7



vpe 10



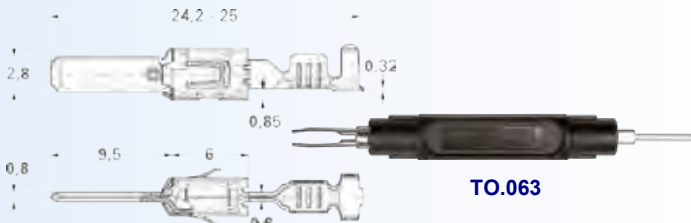
TO.063

- |          |                          |   |                           |     |     |
|----------|--------------------------|---|---------------------------|-----|-----|
| 927777-4 | Junior Power Timer F 2.8 |  | 0.2 - 0.6 mm <sup>2</sup> | vpe | 50  |
| 927779-1 | Junior Power Timer F 2.8 |  | 0.5 - 1.0 mm <sup>2</sup> | vpe | 100 |
| 927777-3 | Junior Power Timer F 2.8 |  | 0.5 - 2.5 mm <sup>2</sup> | vpe | 100 |
| 927777-1 | Junior Power Timer F 2.8 |  | 1.0 - 2.5 mm <sup>2</sup> | vpe | 100 |




### KV.8024 M 6P - VAG 2.8 MM - IP X7

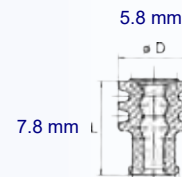


vpe 10



TO.063

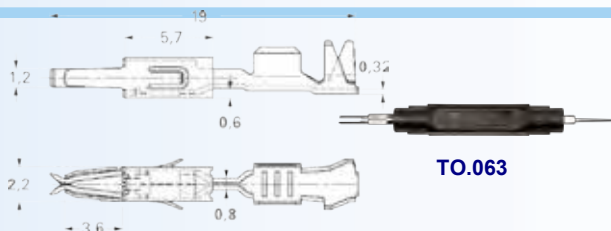
- |          |                          |   |                           |     |     |
|----------|--------------------------|---|---------------------------|-----|-----|
| 928931-2 | Junior Power Timer M 2.8 |  | 0.5 - 1.0 mm <sup>2</sup> | vpe | 50  |
| KV.116   | Junior Power Timer M 2.8 |  | 1.0 - 2.5 mm <sup>2</sup> | vpe | 100 |
| 928794-2 | Junior Power Timer M 2.8 |  | 1.5 - 2.5 mm <sup>2</sup> | vpe | 100 |



### KV.8025 F 8P - VAG 1.5 MM - IP X7



vpe 10



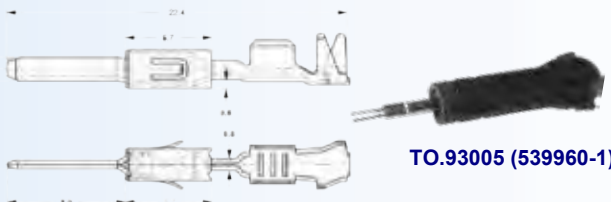
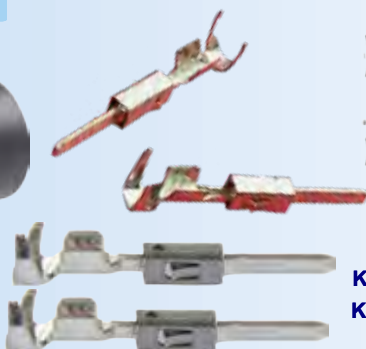
TO.063

- |         |                            |   |                           |     |    |
|---------|----------------------------|---|---------------------------|-----|----|
| KV.8008 | Micro Timer II Gold F 1.5  |  | 0.2 - 0.5 mm <sup>2</sup> | vpe | 50 |
| KV.8009 | Micro Timer II TIN/P F 1.5 |  | 0.5 - 1.0 mm <sup>2</sup> | vpe | 50 |



### KV.8026 M 8P - VAG 1.5 MM - IP X7

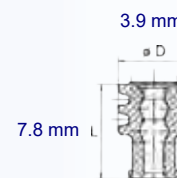






vpe 10



TO.93005 (539960-1)

- |         |                            |   |                           |     |    |
|---------|----------------------------|---|---------------------------|-----|----|
| KV.8010 | Micro Timer II / MCP F 1.5 |  | 0.5 - 1.0 mm <sup>2</sup> | vpe | 50 |
| KV.8011 | Micro Timer II / MCP F 1.5 |  | 0.2 - 0.5 mm <sup>2</sup> | vpe | 50 |



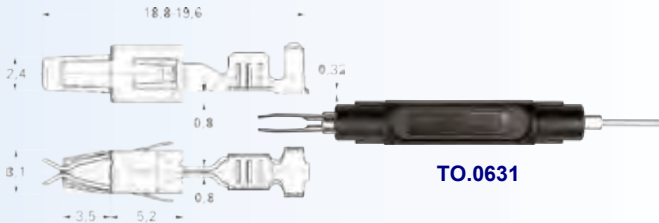
-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülsen
-  Boîtiers et connecteurs pour contacts à sertir

VAG

**KV.8027 F 10P - VAG 2.8 MM - IP X7**







- 927777-4 Junior Power Timer F 2.8
- 927779-1 Junior Power Timer F 2.8
- 927777-3 Junior Power Timer F 2.8
- 927777-1 Junior Power Timer F 2.8

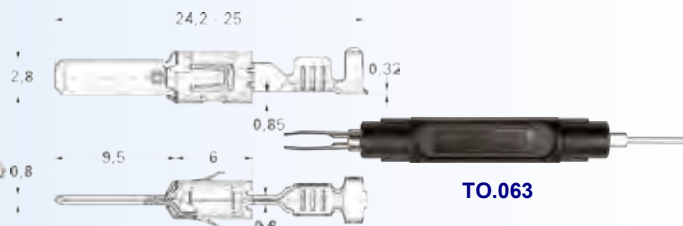


TO.0631

vpe 10

	0.2 - 0.6 mm <sup>2</sup>	vpe	50
	0.5 - 1.0 mm <sup>2</sup>	vpe	100
	0.5 - 2.5 mm <sup>2</sup>	vpe	100
	1.0 - 2.5 mm <sup>2</sup>	vpe	100

**KV.8028 F 10P - VAG 2.8 MM - IP X7**



TO.063

vpe 10

928931-2	Junior Power Timer M 2.8		0.5 - 1.0 mm <sup>2</sup>	vpe	50
KV.116	Junior Power Timer M 2.8		1.0 - 2.5 mm <sup>2</sup>	vpe	100
928794-2	Junior Power Timer M 2.8		1.5 - 2.5 mm <sup>2</sup>	vpe	100



**KV.8001**  
Afdichting 0.35-1.0 mm<sup>2</sup>  
AMP Tyco ELA 5.2  
AMP Tyco JPT  
AMP Tyco MCP 2.8

vpe 50



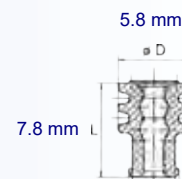
**KV.8002**  
Afdichting 0.50-2.5 mm<sup>2</sup>  
AMP Tyco ELA 5.2  
AMP Tyco JPT  
AMP Tyco MCP 2.8

vpe 50



**KV.8003**  
Afdichting 1.50-2.5 mm<sup>2</sup>  
AMP Tyco ELA 5.2  
AMP Tyco JPT  
AMP Tyco MCP 2.8

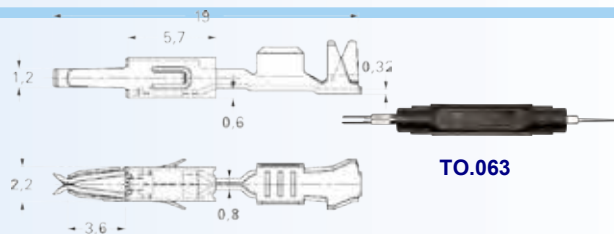
vpe 50



**KV.8004**  
Afdichting 1.50-2.5 mm<sup>2</sup>  
AMP Tyco ELA 5.2

vpe 50

**KV.8029 F 14P - VAG 1.5 MM - IP X7**

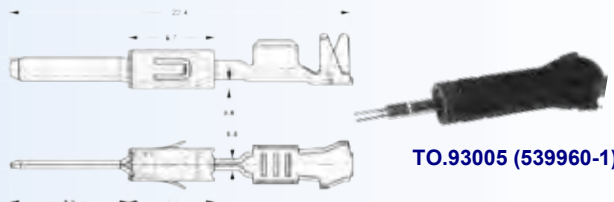
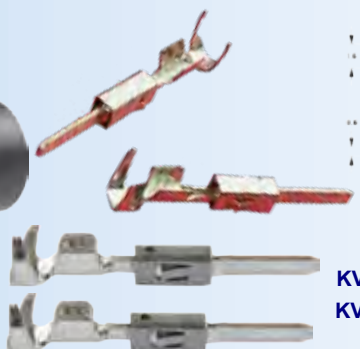


TO.063

vpe 10



KV.8008	Micro Timer II Gold F 1.5		0.2 - 0.5 mm <sup>2</sup>	vpe	50
KV.8009	Micro Timer II TIN/P F 1.5		0.5 - 1.0 mm <sup>2</sup>	vpe	50

**KV.8030 M 14P - VAG 1.5 MM - IP X7**



TO.93005 (539960-1)

vpe 10

KV.8010	Micro Timer II / MCP F 1.5		0.5 - 1.0 mm <sup>2</sup>	vpe	50
KV.8011	Micro Timer II / MCP F 1.5		0.2 - 0.5 mm <sup>2</sup>	vpe	50



**KV.8012**  
Afdichting 0.35-1.0 mm<sup>2</sup>  
Tyco ELA 3.6  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50



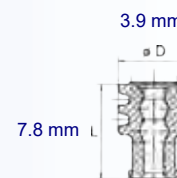
**KV.8013**  
Afdichting 0.5-0.75 mm<sup>2</sup>  
Tyco ELA 3.6  
Tyco MCP 1.5  
Tyco MT II / MT III





vpe 50



**KV.8014**  
Afdichting 0.5-0.75 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50



-  **Multi-connector huizen en connectoren - sets**
-  **Multi-connector housings and connectors - sets**
-  **Flachsteckgehäuse, stecker / hülse - sets**
-  **Boîtiers et connecteurs pour contacts à sertir - sets**

## VAG

**KV.8006SET**  
F 2P - VAG 1.5 MM - IP X7



Inhoud:  
1 x KV.8006 - 3 x KV.8008  
3 x KV.8009 - 2 x KV.8012  
2 x KV.8013

**KV.8000SET**  
F 2P - VAG 2.8 MM - IP X7



Inhoud:  
1 x KV.8000 - 3 x 927779-1  
2 x KV.8002

**KV.8015SET**  
F 3P - VAG 1.5 MM - IP X7



Inhoud:  
1 x KV.8015 - 4 x KV.8009  
3 x KV.8013 - 2 x KV.8014

**KV.8019SET**  
F 4P - VAG 2.8 MM - IP X7



Inhoud:  
1 x KV.8019 - 5 x 927779-1  
4 x KV.8002 - 3 x KV.8004

**KV.8017SET**  
F 4P - VAG 1.5 MM - IP X7







Inhoud:  
1 x KV.8017 - 5 x KV.8009  
4 x KV.8013 - 3 x KV.8014

**AS.VAG15**  
558 delig

inhoud  
10 x KV.8006  
10 x KV.8007  
50 x KV.8009  
50 x KV.8010  
100 x KV.8013  
50 x KV.8014  
10 x KV.8000  
100x KV.8002  
50 x KV.8004  
10 x KV.8005  
50 x 927779-1  
50 x 928931-2  
3 x KV.8017  
3 x KV.8018  
3 x KV.8019  
3 x KV.8020  
1 x KV.8021  
1 x KV.8022  
1 x KV.8023  
1 x KV.8024  
1 x KV.8025  
1 x KV.8026



-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülsen
-  Boîtiers et connecteurs pour contacts à sertir

## HDSCS AMP Tyco MCP 1.5

### KV.8031 F 2P - HDSCS 1.5 MM - IP 67

vpe 10



**KV.8032** TYCO MCP F 1.5

0.2 - 0.35 mm

vpe 50



**KV.8033** TYCO MCP F 1.5

0.5 - 1.0 mm

vpe 50



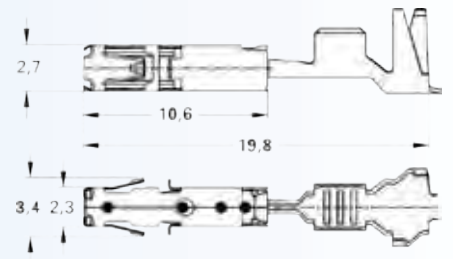
**KV.8034** TYCO MCP F 1.5

1.0 - 1.5 mm

vpe 50



TO.95945369



**KV.8012**  
0.35-1.0 mm<sup>2</sup>  
Tyco ELA 3  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50



**KV.8013**  
0.5-0.75 mm<sup>2</sup>  
Tyco ELA 3  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50



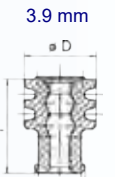
**KV.8014**  
0.5-0.75 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50



**KV.8035**  
1.0-1.5 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50



**KV.8036**  
HDSCS  
KABELAFSLUITING  
RECHT  
NW8.5

vpe 10



**KV.8037**  
HDSCS  
KABELAFSLUITING  
HAAKS  
NW8.5

vpe 10

### KV.8038 F 3P - HDSCS 1.5 MM - IP 67

vpe 10



**KV.8032** TYCO MCP F 1.5

0.2 - 0.35 mm

vpe 50



**KV.8033** TYCO MCP F 1.5

0.5 - 1.0 mm

vpe 50



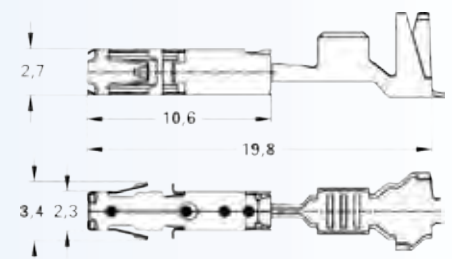
**KV.8034** TYCO MCP F 1.5

1.0 - 1.5 mm

vpe 50



TO.95945369



**KV.8012**  
0.35-1.0 mm<sup>2</sup>  
Tyco ELA 3  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50



**KV.8013**  
0.5-0.75 mm<sup>2</sup>  
Tyco ELA 3  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50



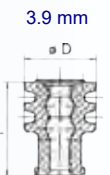
**KV.8014**  
0.5-0.75 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50



**KV.8035**  
1.0-1.5 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50







**KV.8036**  
HDSCS  
KABELAFSLUITING  
RECHT  
NW8.5

vpe 10



**KV.8037**  
HDSCS  
KABELAFSLUITING  
HAAKS  
NW8.5

vpe 10

-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülsen
-  Boîtiers et connecteurs pour contacts à sertir

## HDSCS AMP Tyco MCP 1.5

### KV.8039 F 6P - HDSCS 1.5 MM - IP

vpe 10



**KV.8032** TYCO MCP F 1.5

0.2 - 0.35 mm<sup>2</sup>

vpe 50



**KV.8034** TYCO MCP F 1.5

0.5 - 1.0 mm<sup>2</sup>

vpe 50



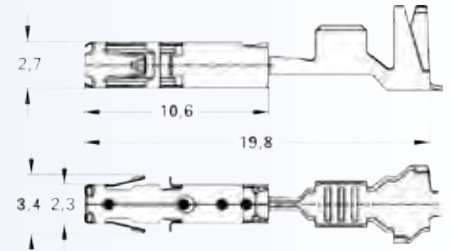
**KV.8034** TYCO MCP F 1.5

1.0 - 1.5 mm<sup>2</sup>

vpe 50



TO.95945369



**KV.8012**

0.35-1.0 mm<sup>2</sup>  
Tyco ELA 3  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50



**KV.8013**

0.5-0.75 mm<sup>2</sup>  
Tyco ELA 3  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50



**KV.8014**

0.5-0.75 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50



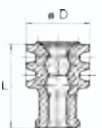
**KV.8035**

1.0-1.5 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50

7.8 mm

3.9 mm



**KV.8040**

HDSCS  
KABELAFSLUITING  
HAAKS 1.5/2.5  
+ KLEMHOUDER

vpe 10



**KV.8041**

HDSCS  
KABELAFSLUITING  
HAAKS 1.5/2.5  
NW8.5

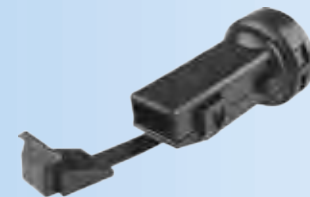
vpe 10



**KV.8042**

HDSCS  
KABELAFSLUITING  
HAAKS 1.5/2.5  
NW10

vpe 10



**KV.8043**

HDSCS  
KABELAFSLUITING  
RECHT 1.5/2.5  
+ KLEMHOUDER

vpe 10



**KV.8044**

HDSCS  
KABELAFSLUITING  
RECHT 1.5/2.5  
NW8.5

vpe 10



**KV.8045**

HDSCS  
KABELAFSLUITING  
RECHT 1.5/2.5  
NW10

vpe 10

### KV.8046 F 8P - HDSCS 1.5 MM - IP 67

vpe 10



**KV.8032** TYCO MCP F 1.5

0.2 - 0.35 mm<sup>2</sup>

vpe 50



**KV.8033** TYCO MCP F 1.5

0.5 - 1.0 mm<sup>2</sup>

vpe 50



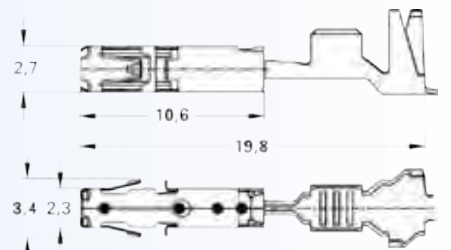
**KV.8034** TYCO MCP F 1.5

1.0 - 1.5 mm<sup>2</sup>

vpe 50



TO.95945369



**KV.8012**

0.35-1.0 mm<sup>2</sup>  
Tyco ELA 3  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50



**KV.8014**

0.5-0.75 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50



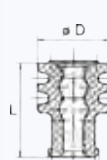
**KV.8035**

1.0-1.5 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50

3.9 mm

7.8 mm



**KV.8047**

HDSCS  
KABELAFSLUITING  
RECHT  
NW13

vpe 10

### KV.8046SET F 8P - HDSCS 1.5 MM - IP 67



Inhoud:





- 1 x KV.8046
- 10 x KV.8034
- 8 x KV.8035
- 4 x KV.8014
- 1 x KV.8048



**KV.8048**

HDSCS  
KABELAFSLUITING  
HAAKS  
NW13

vpe 10

-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülse
-  Boîtiers et connecteurs pour contacts à sertir

## HDSCS AMP Tyco MCP 1.5

**KV.8049 F 12P - HDSCS 1.5 MM - IP 67**

vpe 10



**KV.8032** TYCO MCP F 1.5`

0.2 - 0.35 mm<sup>2</sup>

vpe 50



**KV.8033** TYCO MCP F 1.5`

0.5 - 1.0 mm<sup>2</sup>

vpe 50



**KV.8034** TYCO MCP F 1.5`

1.0 - 1.5 mm<sup>2</sup>

vpe 50



**KV.8012**

0.35-1.0 mm<sup>2</sup>  
Tyco ELA 3  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50



**KV.8014**

0.5-0.75 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50



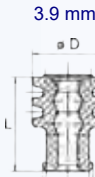
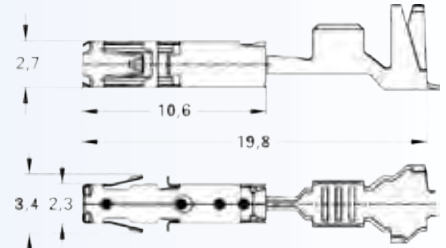
**KV.8035**

1.0-1.5 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50



TO.95945369



**KV.8050**

HDSCS  
KABELAFSLUITING  
RECHT  
NW13





vpe 10



**KV.8051**

HDSCS  
KABELAFSLUITING  
HAAKS  
NW13

vpe 10

-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülse
-  Boîtiers et connecteurs pour contacts à sertir

## HDSCS AMP Tyco MCP 1.5 AMP Tyco MCP 2.8

**KV.8052 F 7P - HDSCS 1.5-2.8 MM - IP 67**

vpe 10



**KV.8032** TYCO MCP F 1.5`

0.2 - 0.35 mm<sup>2</sup>

vpe 50



**KV.8033** TYCO MCP F 1.5`

0.5 - 1.0 mm<sup>2</sup>

vpe 50



**KV.8034** TYCO MCP F 1.5`

1.0 - 1.5 mm<sup>2</sup>

vpe 50



**KV.8012**

0.35-1.0 mm<sup>2</sup>  
Tyco ELA 3  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50



**KV.8013**

0.5-0.75 mm<sup>2</sup>  
Tyco ELA 3  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50



**KV.8014**

0.5-0.75 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50



**KV.8035**

1.0-1.5 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50

3.9 mm

7.8 mm



**KV.8053** TYCO MCP F 2.8`

0.5 - 1.0 mm<sup>2</sup>

vpe 50



**KV.8055**

1.0-2.5 mm<sup>2</sup>  
Tyco ELA 5.2  
Tyco MCP 2.8

vpe 50



**828904-1**

0.35-1.0 mm<sup>2</sup>  
Tyco ELA 5.2  
Tyco JPT  
Tyco MCP

vpe 50



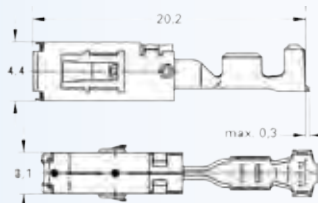
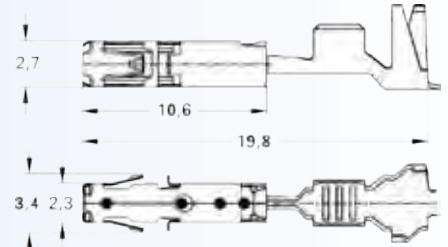
**KV.8004**

1.5-2.5 mm<sup>2</sup>  
Tyco ELA 3.6

vpe 50



TO.95945369



TO.95945406



**KV.8050**

HDSCS  
KABELAFSLUITING  
RECHT  
NW13





vpe 10



**KV.8051**

HDSCS  
KABELAFSLUITING  
HAAKS  
NW13

vpe 10

-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülse
-  Boîtiers et connecteurs pour contacts à sertir

**HDSCS**  
**AMP Tyco MCP 1.5**  
**AMP Tyco MCP 2.8**

**KV.8052SET F 7P - HDSCS 1.5-2.8 MM - IP 67**



Inhoud:

- 1 x KV.8052
- 5 x KV.8034
- 4 x KV.8054
- 3 x KV.8055
- 3 x KV.8014
- 2 x KV.8004
- 4 x KV.8035
- 1 x KV.8048



**KV.8056 F 10P - HDSCS 1.5-2.8 MM - IP 67**



**KV.8032** TYCO MCP F 1.5

0.2 - 0.35 mm<sup>2</sup>

vpe 50



**KV.8033** TYCO MCP F 1.5

0.5 - 1.0 mm<sup>2</sup>

vpe 50



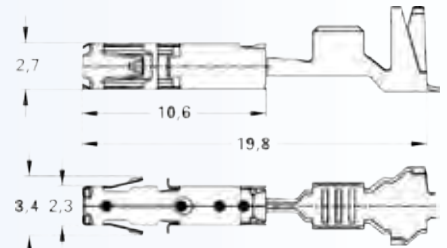
**KV.8034** TYCO MCP F 1.5

1.0 - 1.5 mm<sup>2</sup>

vpe 50



**TO.95945369**



**KV.8012**

0.35-1.0 mm<sup>2</sup>  
 Tyco ELA 3  
 Tyco MCP 1.5  
 Tyco MT II / MT III

vpe 50



**KV.8013**

0.5-0.75 mm<sup>2</sup>  
 Tyco ELA 3  
 Tyco MCP 1.5  
 Tyco MT II / MT III

vpe 50



**KV.8014**

0.5-0.75 mm<sup>2</sup>  
 Tyco ELB 3.6

vpe 50

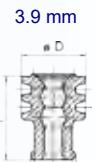


**KV.8035**

1.0-1.5 mm<sup>2</sup>  
 Tyco ELB 3.6

vpe 50

7.8 mm



**KV.8053** TYCO MCP F 2.8

0.5 - 1.0 mm<sup>2</sup>

vpe 50



**KV.8054** TYCO MCP F 2.8

1.0- 2.5 mm<sup>2</sup>

vpe 50



**KV.8055**

1.0-2.5 mm<sup>2</sup>  
 Tyco ELA 5.2  
 Tyco MCP 2.8

vpe 50



**828904-1**

0.35-1.0 mm<sup>2</sup>  
 Tyco ELA 5.2  
 Tyco JPT  
 Tyco MCP

vpe 50

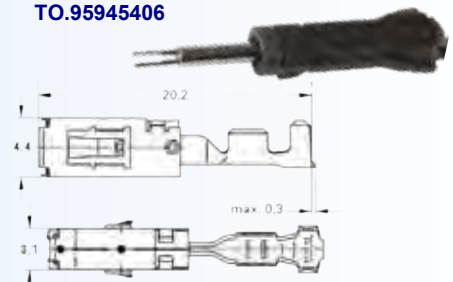


**KV.8004**

1.5-2.5 mm<sup>2</sup>  
 Tyco ELA 3.6

vpe 50

**TO.95945406**



**KV.8050**

HDSCS  
 KABELAFSLUITING  
 RECHT  
 NW13





vpe 10



**KV.8051**

HDSCS  
 KABELAFSLUITING  
 HAAKS  
 NW13

vpe 10

-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülsen
-  Boîtiers et connecteurs pour contacts à sertir

## HDSCS AMP Tyco MCP 2.8 Max. 40 Amp.

### KV.8057 F 2P - HDSCS 2.8 MM - IP 67

vpe 10

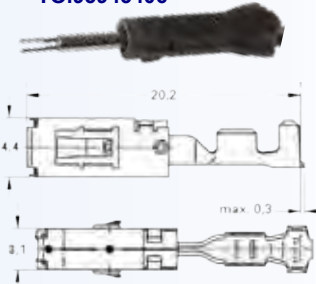


**KV.8053** TYCO MCP F 2.8 0.5 - 1.0 mm<sup>2</sup> vpe 50



**KV.8054** TYCO MCP F 2.8 1.0- 2.5 mm<sup>2</sup> vpe 50

TO.95945406



**KV.8055**  
1.0-2.5 mm<sup>2</sup>  
Tyco ELA 5.2  
Tyco MCP 2.8

vpe 50



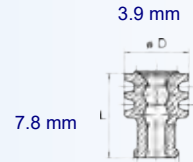
**828904-1**  
0.35-1.0 mm<sup>2</sup>  
Tyco ELA 5,2  
Tyco JPT  
Tyco MCP

vpe 50



**KV.8004**  
1.50-2.5 mm<sup>2</sup>  
Tyco ELA 5.2

vpe 50



**KV.8036**  
HDSCS  
KABELAFSLUITING  
RECHT  
NW8.5

vpe 10



**KV.8037**  
HDSCS  
KABELAFSLUITING  
HAAKS  
NW8.5

vpe 10

### KV.8058 F 4P - HDSCS 2.8 MM - IP 67

vpe 10

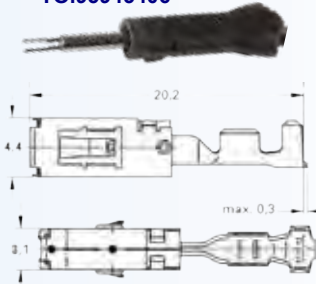


**KV.8053** TYCO MCP F 2.8 0.5 - 1.0 mm<sup>2</sup> vpe 50



**KV.8054** TYCO MCP F 2.8 1.0- 2.5 mm<sup>2</sup> vpe 50

TO.95945406



**KV.8055**  
1.0-2.5 mm<sup>2</sup>  
Tyco ELA 5.2  
Tyco MCP 2.8

vpe 50



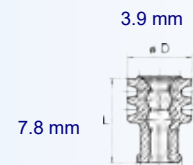
**828904-1**  
0.35-1.0 mm<sup>2</sup>  
Tyco ELA 5,2  
Tyco JPT  
Tyco MCP

vpe 50



**KV.8004**  
1.50-2.5 mm<sup>2</sup>  
Tyco ELA 5.2

vpe 50



**KV.8040**  
HDSCS  
KABELAFSLUITING  
HAAKS 1.5/2.5  
+ KLEMHOUDER

vpe 10



**KV.8041**  
HDSCS  
KABELAFSLUITING  
HAAKS 1.5/2.5  
NW8.5

vpe 10



**KV.8042**  
HDSCS  
KABELAFSLUITING  
HAAKS 1.5/2.5  
NW10

vpe 10



**KV.8043**  
HDSCS  
KABELAFSLUITING  
RECHT 1.5/2.5  
+ KLEMHOUDER

vpe 10



**KV.8044**  
HDSCS  
KABELAFSLUITING  
RECHT 1.5/2.5  
NW8.5





vpe 10



**KV.8045**  
HDSCS  
KABELAFSLUITING  
RECHT 1.5/2.5  
NW10

vpe 10



-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülsen
-  Boîtiers et connecteurs pour contacts à sertir

**HDSCS**  
**AMP Tyco MCP 2.8** Max. 40 Amp.  
**AMP Tyco MCP 4.8-6.3** Max. 40 Amp.

**KV.8059 F 6P - HDSCS 2.8 MM - IP 67**

vpe 10



**KV.8053** TYCO MCP F 2.8

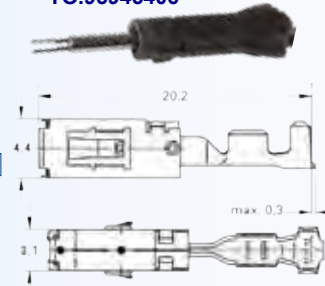
0.5 - 1.0 mm<sup>2</sup> vpe 50



**KV.8054** TYCO MCP F 2.8

1.0- 2.5 mm<sup>2</sup> vpe 50

TO.95945406



**KV.8055**  
1.0-2.5 mm<sup>2</sup>  
Tyco ELA 5.2  
Tyco MCP 2.8

vpe 50



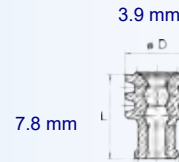
**828904-1**  
0.35-1.0 mm<sup>2</sup>  
Tyco ELA 5.2  
Tyco JPT  
Tyco MCP

vpe 50



**KV.8004**  
1.50-2.5 mm<sup>2</sup>  
Tyco ELA 5.2

vpe 50



**KV.8047**  
HDSCS  
KABELAFSLUITING  
RECHT  
NW13

vpe 10



**KV.8048**  
HDSCS  
KABELAFSLUITING  
HAAKS  
NW13

vpe 10

**KV.8060 F 8P - HDSCS 2.8 MM - IP 67**

vpe 10



**KV.8053** TYCO MCP F 2.8

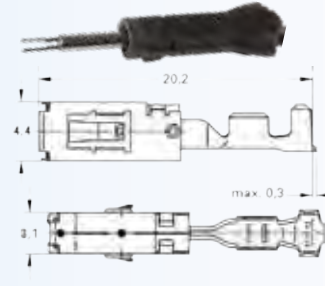
0.5 - 1.0 mm<sup>2</sup> vpe 50



**KV.8054** TYCO MCP F 2.8

1.0- 2.5 mm<sup>2</sup> vpe 50

TO.95945406



**KV.8055**  
1.0-2.5 mm<sup>2</sup>  
Tyco ELA 5.2  
Tyco MCP 2.8

vpe 50



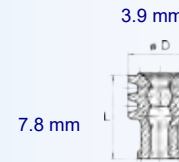
**828904-1**  
0.35-1.0 mm<sup>2</sup>  
Tyco ELA 5.2  
Tyco JPT  
Tyco MCP

vpe 50



**KV.8004**  
1.50-2.5 mm<sup>2</sup>  
Tyco ELA 5.2

vpe 50



**KV.8047**  
HDSCS  
KABELAFSLUITING  
RECHT  
NW13

vpe 10



**KV.8048**  
HDSCS  
KABELAFSLUITING  
HAAKS  
NW13

vpe 10

**KV.8061 F 2P - HDSCS 4.8 - 6.3 MM - IP 67**

vpe 10



**KV.8063** TYCO MCP F 4.8 - 6.3

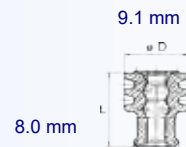
1.0- 2.5 mm<sup>2</sup> vpe 50

TO.95945407



**KV.8062**  
1.50-2.5 mm<sup>2</sup>  
Tyco ELA 5.2

vpe 50



**KV.8047**  
HDSCS  
KABELAFSLUITING  
RECHT  
NW13

vpe 10



**KV.8048**  
HDSCS  
KABELAFSLUITING  
HAAKS  
NW13

vpe 10



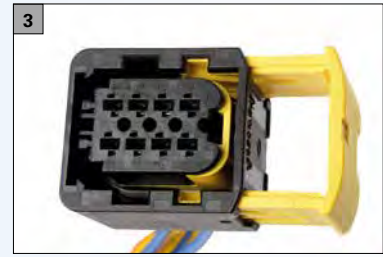
## De behuizing van de contactdoos ontgrendelen



1  
Het connectorhuis bevindt zich meestal op of in de lamp. Hier afgebeeld op de koplamp van een Mercedes Actros MP4.



2  
Voordat de contacten kunnen worden ontgrendeld, moet het secundaire slot worden ontgrendeld met behulp van een ontgrendelingsgereedschap.



3  
Geopende contact veiligheid, nu pas kunnen de contacten worden ontgrendeld.



4  
De messen van het gereedschap worden vanaf de contactzijde in de twee sleuven van de gewenste contactkamer tot aan de aanslag gestoken. Het gereedschap blijft in deze positie en het contact kan nu worden verwijderd door aan de kabel te trekken.

## Kabelbescherming



1  
Spiraalbuis is optimaal geschikt om de kabels te beschermen.



2  
In combinatie met de rechte uitlaat zijn de kabels beschermd tegen externe invloeden zoals vuil, vocht of scherpe randen.



3  
Stekkerverbinding met gegolfde buis en rechte uitlaat







4  
Afhankelijk van de toepassing kan ook een 90° uitgang worden gebruikt.



Stekkerverbinding met gegolfde buis en 90° uitgang

In combinatie met de rechte uitlaat zijn de kabels beschermd tegen externe invloeden zoals vuil, vocht of scherpe randen.

-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülsen
-  Boîtiers et connecteurs pour contacts à sertir

**MOLEX**  
**MICRO-FIT 3.0**  
Dual Row,

Max. 8.5 Amp.

**43020-0200** Micro-Fit 3.0 Plug Housing  
Dual Row, 2 Circuits, UL 94V-0, vpe 10



**43031-0002**  
CRIMP PEN 0.2-0.5MM<sup>2</sup>  
Gold plated



**43025-0200** Micro-Fit 3.0 Receptacle Housing  
Dual Row, 2 Circuits, UL 94V-0, vpe 10



**43030-0002**  
CRIMP BUS 0.2-0.5MM<sup>2</sup>  
Gold plated



**43030-0007**  
CRIMP BUS 0.2-0.5MM<sup>2</sup>  
Tin plated

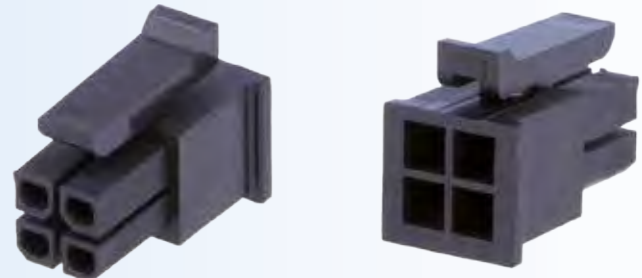
**43020-0400** Micro-Fit 3.0 Plug Housing  
Dual Row, 4 Circuits, UL 94V-0, vpe 10



**43031-0002**  
CRIMP PEN 0.2-0.5MM<sup>2</sup>  
Gold plated



**43025-0400** Micro-Fit 3.0 Receptacle Housing  
Dual Row, 4 Circuits, UL 94V-0, vpe 10

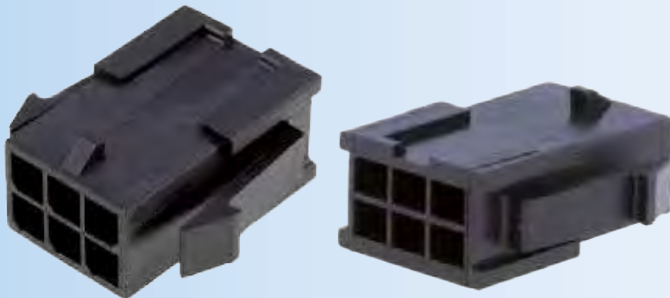


**43030-0002**  
CRIMP BUS 0.2-0.5MM<sup>2</sup>  
Gold plated



**43030-0007**  
CRIMP BUS 0.2-0.5MM<sup>2</sup>  
Tin plated

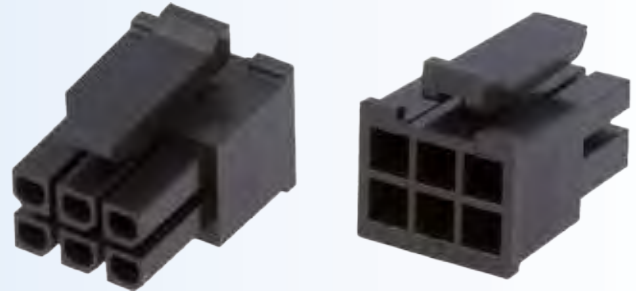
**43020-0600** Micro-Fit 3.0 Plug Housing  
Dual Row, 6 Circuits, UL 94V-0, vpe 10



**43031-0002**  
CRIMP PEN 0.2-0.5MM<sup>2</sup>  
Gold plated



**43025-0600** Micro-Fit 3.0 Receptacle Housing  
Dual Row, 6 Circuits, UL 94V-0, vpe 10



**43030-0002**  
CRIMP BUS 0.2-0.5MM<sup>2</sup>  
Gold plated



**43030-0007**  
CRIMP BUS 0.2-0.5MM<sup>2</sup>  
Tin plated

**43020-0800** Micro-Fit 3.0 Plug Housing  
Dual Row, 8 Circuits, UL 94V-0, vpe 10



**43031-0002**  
CRIMP PEN 0.2-0.5MM<sup>2</sup>  
Gold plated







**43025-0800** Micro-Fit 3.0 Receptacle Housing  
Dual Row, 8 Circuits, UL 94V-0, vpe 10



**43030-0002**  
CRIMP BUS 0.2-0.5MM<sup>2</sup>  
Gold plated



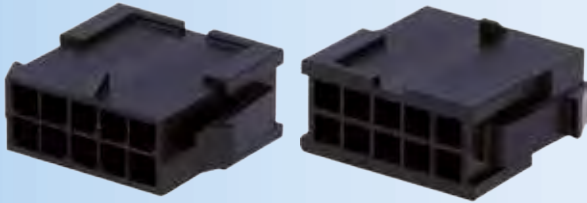
**43030-0007**  
CRIMP BUS 0.2-0.5MM<sup>2</sup>  
Tin plated

-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülsen
-  Boîtiers et connecteurs pour contacts à sertir

**MOLEX  
MICRO-FIT 3.0  
Dual Row**

Max. 8.5 Amp.

**43020-1000** Micro-Fit 3.0 Plug Housing  
Dual Row, 10 Circuits, UL 94V-0, vpe 10



**43025-1000** Micro-Fit 3.0 Receptacle Housing  
Dual Row, 10 Circuits, UL 94V-0, vpe 10



**43031-0002**  
CRIMP PEN 0.2-0.5MM<sup>2</sup>  
Gold plated

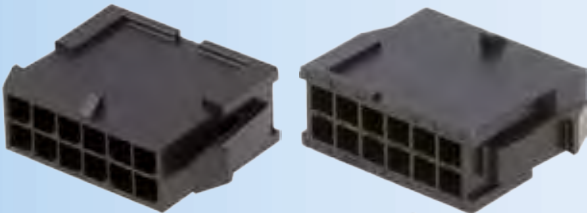


**43030-0002**  
CRIMP BUS 0.2-0.5MM<sup>2</sup>  
Gold plated

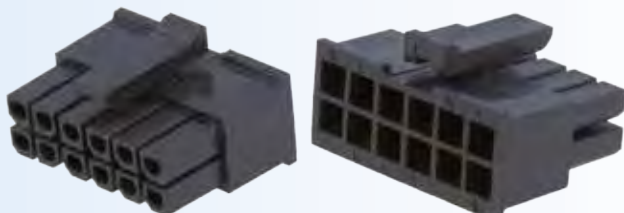


**43030-0007**  
CRIMP BUS 0.2-0.5MM<sup>2</sup>  
Tin plated

**43020-1200** Micro-Fit 3.0 Plug Housing  
Dual Row, 12 Circuits, UL 94V-0, vpe 10



**43025-1200** Micro-Fit 3.0 Receptacle Housing  
Dual Row, 12 Circuits, UL 94V-0, vpe 10



**43031-0002**  
CRIMP PEN 0.2-0.5MM<sup>2</sup>  
Gold plated

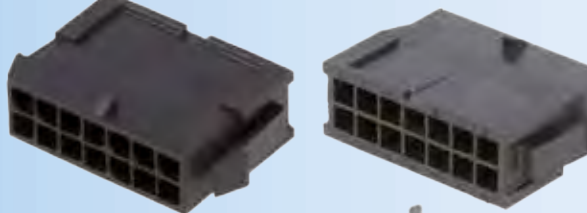


**43030-0002**  
CRIMP BUS 0.2-0.5MM<sup>2</sup>  
Gold plated



**43030-0007**  
CRIMP BUS 0.2-0.5MM<sup>2</sup>  
Tin plated

**43020-1400** Micro-Fit 3.0 Plug Housing  
Dual Row, 14 Circuits, UL 94V-0, vpe 10



**43025-1400** Micro-Fit 3.0 Receptacle Housing  
Dual Row, 14 Circuits, UL 94V-0, vpe 10



**43031-0002**  
CRIMP PEN 0.2-0.5MM<sup>2</sup>  
Gold plated

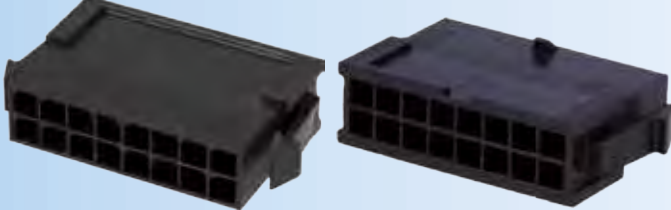


**43030-0002**  
CRIMP BUS 0.2-0.5MM<sup>2</sup>  
Gold plated

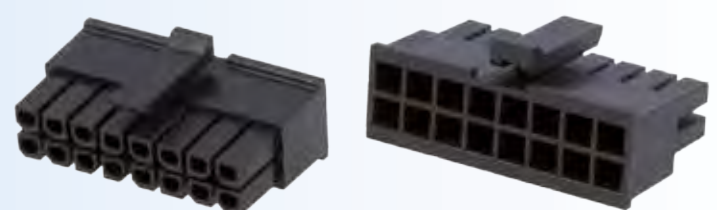


**43030-0007**  
CRIMP BUS 0.2-0.5MM<sup>2</sup>  
Tin plated

**43020-1600** Micro-Fit 3.0 Plug Housing  
Dual Row, 16 Circuits, UL 94V-0, vpe 10



**43025-1600** Micro-Fit 3.0 Receptacle Housing  
Dual Row, 16 Circuits, UL 94V-0, vpe 10



**43031-0002**  
MOLEX MICRO-FIT CRIMP PEN 0.2-0.5MM<sup>2</sup>

vpe 50

Gold plated



**43030-0002**  
MOLEX MICRO-FIT CRIMP BUS 0.2-0.5MM<sup>2</sup>

vpe 50

Gold plated



**43030-0007**  
MOLEX MICRO-FIT CRIMP BUS 0.2-0.5MM<sup>2</sup>

vpe 50

Tin plated





Multi-connector huizen en connectoren  
 Multi-connector housings and connectors  
 Flachsteckgehäuse, stecker / hülsen  
 Boîtiers et connecteurs pour contacts à sertir

**MOLEX  
 MICRO-FIT 3.0  
 Single Row**

Max. 8.5 Amp.

**43640-0200** Micro-Fit 3.0 Plug Housing  
 Single Row, 2 Circuits, UL 94V-0 vpe 10

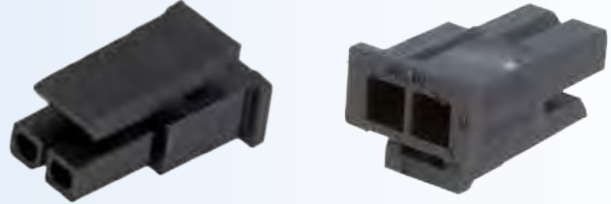


**43031-0002**

CRIMP PEN 0.2-0.5MM<sup>2</sup>  
 Gold plated



**43645-0200** Micro-Fit 3.0 Receptacle Housing  
 Single Row, 2 Circuits, UL 94V-0 vpe 10



**43030-0002**

CRIMP BUS 0.2-0.5MM<sup>2</sup>  
 Gold plated



**43640-0300** Micro-Fit 3.0 Plug Housing  
 Single Row, 3 Circuits, UL 94V-0 vpe 10



**43031-0002**

CRIMP PEN 0.2-0.5MM<sup>2</sup>  
 Gold plated



**43645-0300** Micro-Fit 3.0 Receptacle Housing  
 Single Row, 3 Circuits, UL 94V-0 vpe 10



**43030-0002**

CRIMP BUS 0.2-0.5MM<sup>2</sup>  
 Gold plated



**43640-0400** Micro-Fit 3.0 Plug Housing  
 Single Row, 4 Circuits, UL 94V-0 vpe 10



**43031-0002**

CRIMP PEN 0.2-0.5MM<sup>2</sup>  
 Gold plated



**43645-0400** Micro-Fit 3.0 Receptacle Housing  
 Single Row, 4 Circuits, UL 94V-0 vpe 10



**43030-0002**

CRIMP BUS 0.2-0.5MM<sup>2</sup>  
 Gold plated



**43640-0500** Micro-Fit 3.0 Plug Housing  
 Single Row, 5 Circuits, UL 94V-0 vpe 10



**43031-0002**

MOLEX MICRO-FIT CRIMP PEN 0.2-0.5MM<sup>2</sup>

vpe 50

Gold plated



**43645-0500** Micro-Fit 3.0 Receptacle Housing  
 Single Row, 5 Circuits, UL 94V-0 vpe 10



**43030-0002**

MOLEX MICRO-FIT CRIMP BUS 0.2-0.5MM<sup>2</sup>

vpe 50

Gold plated





Multi-connector huizen en connectoren  
 Multi-connector housings and connectors  
 Flachsteckgehäuse, stecker / hülsen  
 Boîtiers et connecteurs pour contacts à sertir

**MOLEX  
 MICRO-FIT 3.0  
 Single Row**

Max. 8.5 Amp.

43640-0600 Micro-Fit 3.0 Plug Housing  
 Single Row, 6 Circuits, UL 94V-0 vpe 10



43031-0002  
 CRIMP PEN 0.2-0.5MM<sup>2</sup>  
 Gold plated



43645-0600 Micro-Fit 3.0 Receptacle Housing  
 Single Row, 6 Circuits, UL 94V-0 vpe 10



43030-0002  
 CRIMP BUS 0.2-0.5MM<sup>2</sup>  
 Gold plated



43640-0800 Micro-Fit 3.0 Plug Housing  
 Single Row, 8 Circuits, UL 94V-0 vpe 10



43031-0002  
 CRIMP PEN 0.2-0.5MM<sup>2</sup>  
 Gold plated



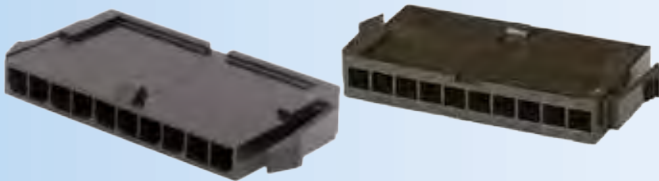
43645-0800 Micro-Fit 3.0 Receptacle Housing  
 Single Row, 8 Circuits, UL 94V-0 vpe 10



43030-0002  
 CRIMP BUS 0.2-0.5MM<sup>2</sup>  
 Gold plated



43640-1000 Micro-Fit 3.0 Plug Housing  
 Single Row, 10 Circuits, UL 94V-0 vpe 10



43031-0002  
 CRIMP PEN 0.2-0.5MM<sup>2</sup>  
 Gold plated



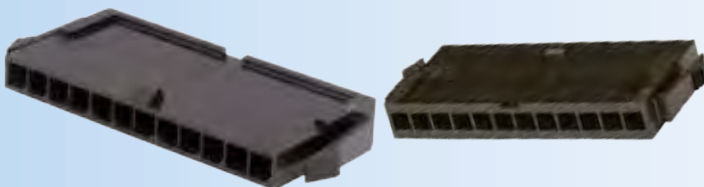
43645-1000 Micro-Fit 3.0 Receptacle Housing  
 Single Row, 10 Circuits, UL 94V-0 vpe 10



43030-0002  
 CRIMP BUS 0.2-0.5MM<sup>2</sup>  
 Gold plated



43640-1200 Micro-Fit 3.0 Plug Housing  
 Single Row, 12 Circuits, UL 94V-0 vpe 10



43031-0002  
 MOLEX MICRO-FIT CRIMP PEN 0.2-0.5MM<sup>2</sup>

vpe 50

Gold plated



43645-1200 Micro-Fit 3.0 Receptacle Housing  
 Single Row, 12 Circuits, UL 94V-0 vpe 10







43030-0002  
 MOLEX MICRO-FIT CRIMP BUS 0.2-0.5MM<sup>2</sup>

vpe 50

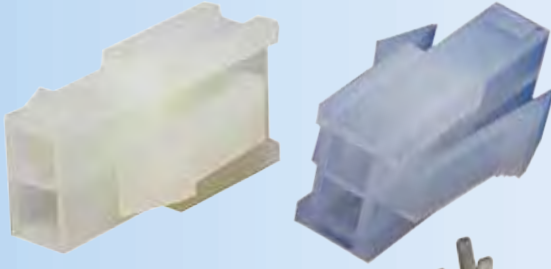
Gold plated



-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülsen
-  Boîtiers et connecteurs pour contacts à sertir

**MOLEX**  
**MINI-FIT**  
 Dual Row **Max. 9.0 Amp.**

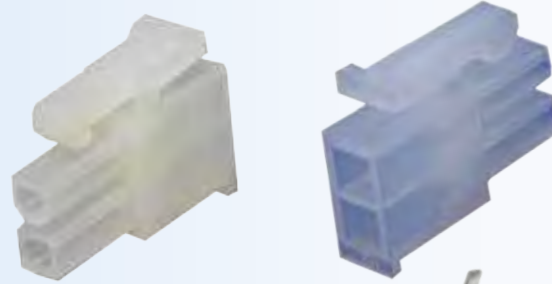
**39-01-2021** Mini-Fit Plug Housing  
 Dual Row, 2 Circuits, UL 94V-0, vpe 10



**39-00-0041**  
 CRIMP PEN 0.2-0.8MM<sup>2</sup>  
 Tin plated



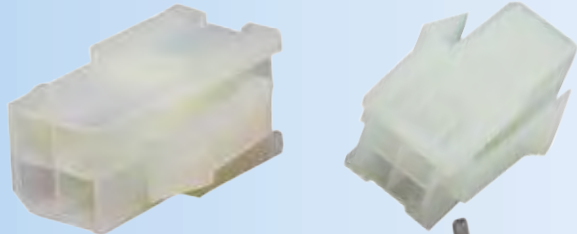
**39-01-2020** Mini-Fit 3.0 Receptacle Housing  
 Dual Row, 2 Circuits, UL 94V-0, vpe 10



**39-00-0039**  
 CRIMP BUS 0.2-0.8MM<sup>2</sup>  
 Tin plated



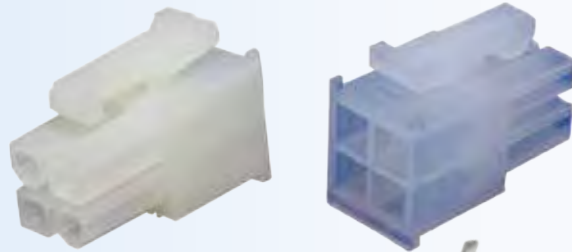
**39-01-2041** Mini-Fit Plug Housing  
 Dual Row, 4 Circuits, UL 94V-0, vpe 10



**39-00-0041**  
 CRIMP PEN 0.2-0.8MM<sup>2</sup>  
 Tin plated



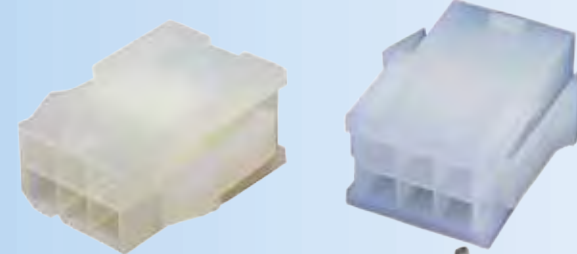
**39-01-2040** Mini-Fit 3.0 Receptacle Housing  
 Dual Row, 4 Circuits, UL 94V-0, vpe 10



**39-00-0039**  
 CRIMP BUS 0.2-0.8MM<sup>2</sup>  
 Tin plated



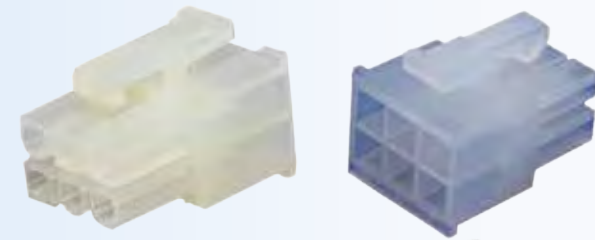
**39-01-2061** Mini-Fit Plug Housing  
 Dual Row, 6 Circuits, UL 94V-0, vpe 10



**39-00-0041**  
 CRIMP PEN 0.2-0.8MM<sup>2</sup>  
 Tin plated



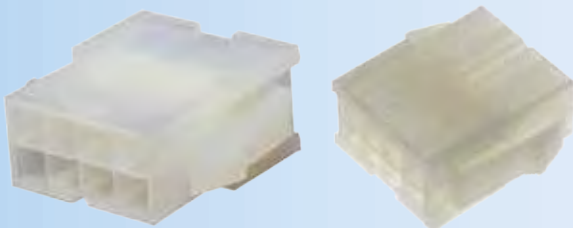
**39-01-2060** Mini-Fit 3.0 Receptacle Housing  
 Dual Row, 6 Circuits, UL 94V-0, vpe 10



**39-00-0039**  
 CRIMP BUS 0.2-0.8MM<sup>2</sup>  
 Tin plated



**39-01-2081** Mini-Fit Plug Housing  
 Dual Row, 8 Circuits, UL 94V-0, vpe 10

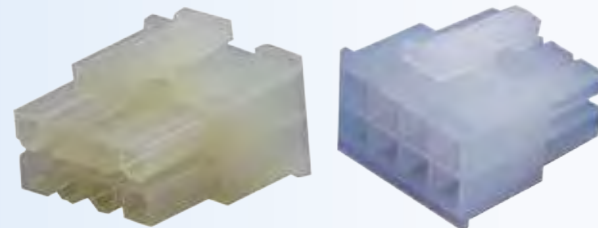


**39-00-0041**  
 CRIMP PEN 0.2-0.8MM<sup>2</sup>  
 Tin plated

vpe 50







**39-01-2080** Mini-Fit 3.0 Receptacle Housing  
 Dual Row, 8 Circuits, UL 94V-0, vpe 10



**39-00-0039**  
 CRIMP BUS 0.2-0.8MM<sup>2</sup>  
 Tin plated

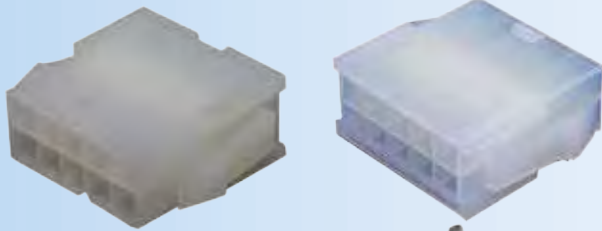
vpe 50



-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülsen
-  Boîtiers et connecteurs pour contacts à sertir

**MOLEX**  
**MINI-FIT**  
**Dual Row Max. 9.0 Amp.**

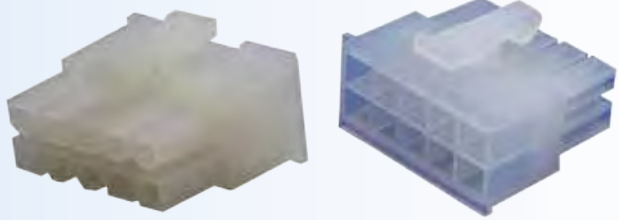
**39-01-2101** Mini-Fit Plug Housing  
 Dual Row, 10 Circuits, UL 94V-0 vpe 10



**39-00-0041**  
 CRIMP PEN 0.2-0.8MM<sup>2</sup>  
 Tin plated



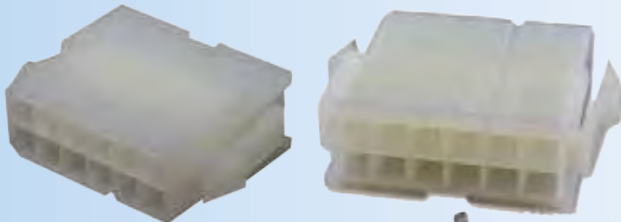
**39-01-2100** Mini-Fit 3.0 Receptacle Housing  
 Dual Row, 10 Circuits, UL 94V-0 vpe 10



**39-00-0039**  
 CRIMP BUS 0.2-0.8MM<sup>2</sup>  
 Tin plated



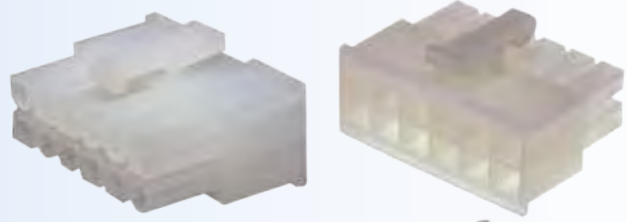
**39-01-2121** Mini-Fit Plug Housing  
 Dual Row, 12 Circuits, UL 94V-0 vpe 10



**39-00-0041**  
 CRIMP PEN 0.2-0.8MM<sup>2</sup>  
 Tin plated



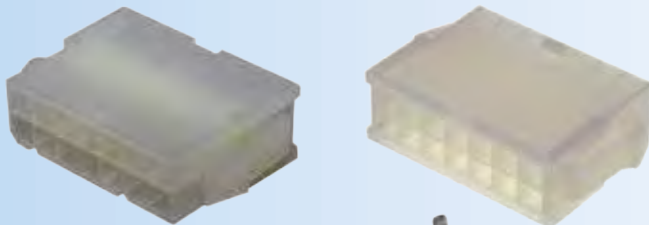
**39-01-2120** Mini-Fit 3.0 Receptacle Housing  
 Dual Row, 12 Circuits, UL 94V-0 vpe 10



**39-00-0039**  
 CRIMP BUS 0.2-0.8MM<sup>2</sup>  
 Tin plated



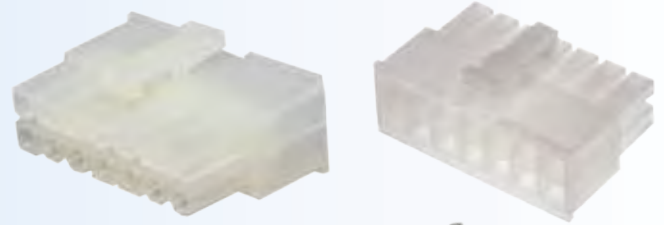
**39-01-2141** Mini-Fit Plug Housing  
 Dual Row, 14 Circuits, UL 94V-0 vpe 10



**39-00-0041**  
 CRIMP PEN 0.2-0.8MM<sup>2</sup>  
 Tin plated



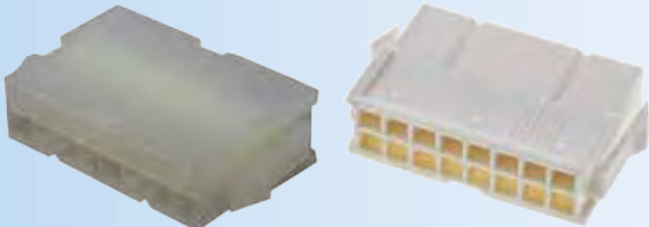
**39-01-2140** Mini-Fit 3.0 Receptacle Housing  
 Dual Row, 14 Circuits, UL 94V-0 vpe 10



**39-00-0039**  
 CRIMP BUS 0.2-0.8MM<sup>2</sup>  
 Tin plated



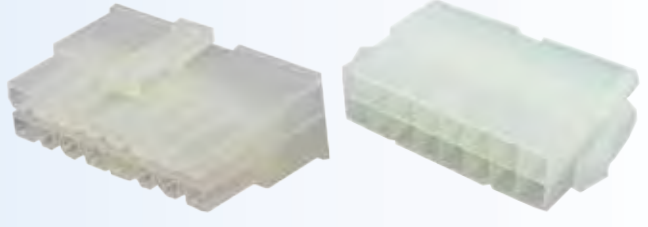
**39-01-2161** Mini-Fit Plug Housing  
 Dual Row, 16 Circuits, UL 94V-0 vpe 10



**39-00-0041**  
 CRIMP PEN 0.2-0.8MM<sup>2</sup>  
 Tin plated



**39-01-2160** Mini-Fit 3.0 Receptacle Housing  
 Dual Row, 16 Circuits, UL 94V-0 vpe 10



**39-00-0039**  
 CRIMP BUS 0.2-0.8MM<sup>2</sup>  
 Tin plated



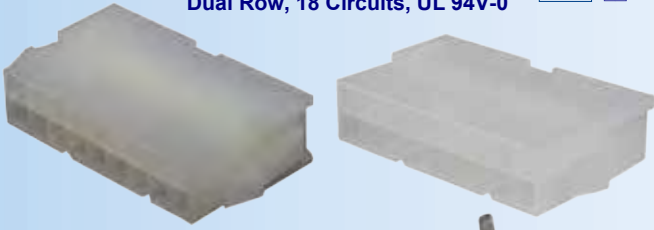




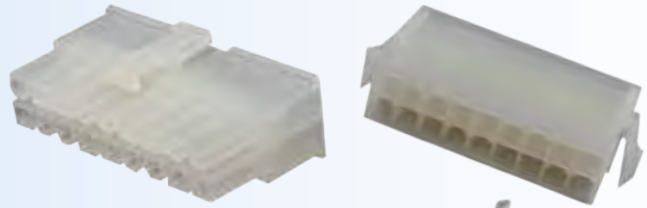
Multi-connector huizen en connectoren  
 Multi-connector housings and connectors  
 Flachsteckgehäuse, stecker / hülsen  
 Boîtiers et connecteurs pour contacts à sertir

**MOLEX**  
**MINI-FIT**  
 Dual Row Max. 9.0 Amp.

39-01-2181 Mini-Fit Plug Housing  
 Dual Row, 18 Circuits, UL 94V-0 vpe 10



39-01-2180 Mini-Fit 3.0 Receptacle Housing  
 Dual Row, 18 Circuits, UL 94V-0 vpe 10



39-00-0041  
 CRIMP PEN 0.2-0.8MM<sup>2</sup>  
 Tin plated



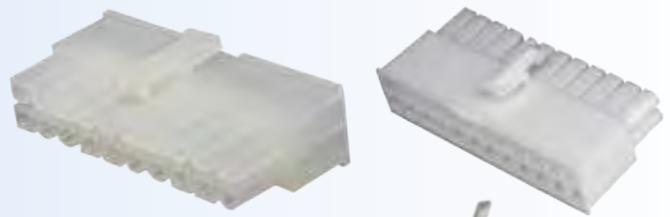
39-00-0039  
 CRIMP BUS 0.2-0.8MM<sup>2</sup>  
 Tin plated



39-01-2201 Mini-Fit Plug Housing  
 Dual Row, 20 Circuits, UL 94V-0 vpe 10



39-01-2200 Mini-Fit 3.0 Receptacle Housing  
 Dual Row, 20 Circuits, UL 94V-0 vpe 10



39-00-0041  
 CRIMP PEN 0.2-0.8MM<sup>2</sup>  
 Tin plated



39-00-0039  
 CRIMP BUS 0.2-0.8MM<sup>2</sup>  
 Tin plated



39-00-0041  
 CRIMP PEN 0.2-0.8MM<sup>2</sup>  
 Tin plated

vpe 50



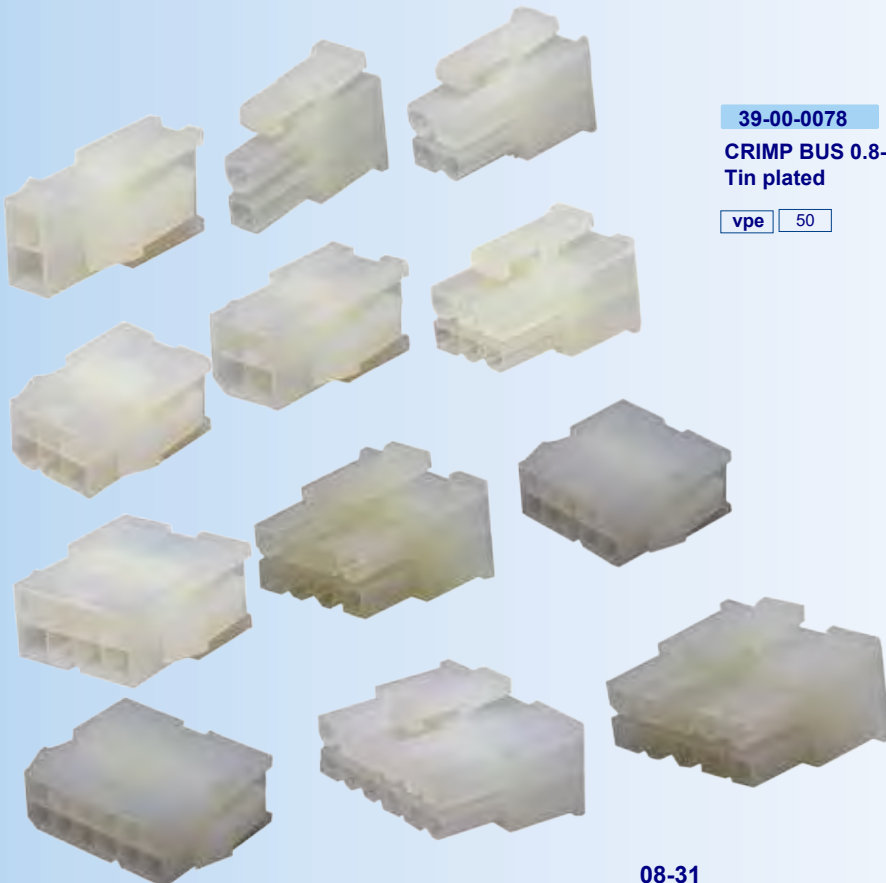
39-00-0039  
 CRIMP BUS 0.2-0.8MM<sup>2</sup>  
 Tin plated





vpe 50



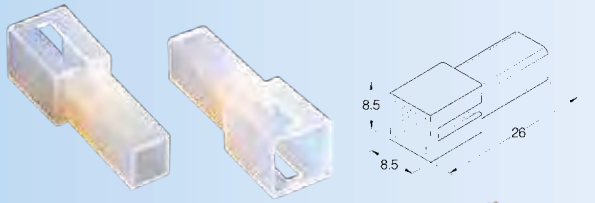
39-00-0078  
 CRIMP BUS 0.8-1.3MM<sup>2</sup>  
 Tin plated

vpe 50



-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülsen
-  Boîtiers et connecteurs pour contacts à sertir

**TYCO - AMP serie 250**  
**10 - 15 amp.**  
**2.8 x 0.5 mm**  
**2.8 x 0.8 mm**



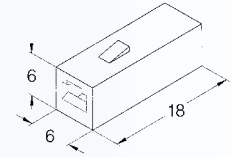
**626063**  1 P - male - 2.8 mm

vpe 10



**626062**  1 P - female - 2.8 mm

vpe 10



KV.119



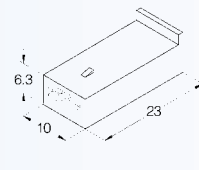
**180916**  1 P - male - 6.3 mm  
**180916-5**  1 P - male - 6.3 mm

vpe 10



**180905**  1 P - female - 6.3 mm  
**180905-5**  1 P - female - 6.3 mm

vpe 10



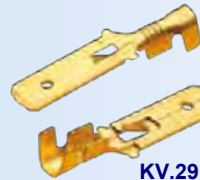
KV.292

KV.291



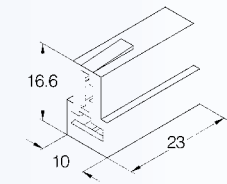
**180908**  2 P - male - 6.3 mm  
**180908-5**  2 P - male - 6.3 mm

vpe 10



**180907**  2 P - female - 6.3 mm  
**180907-5**  2 P - female - 6.3 mm

vpe 10



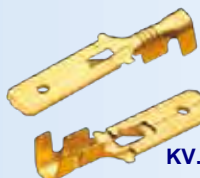
KV.292

KV.291



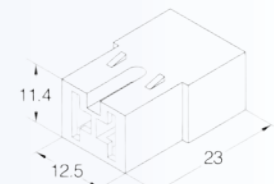
**180924**  2 P - male - 6.3 mm  
**180924-5**  2 P - male - 6.3 mm

vpe 10



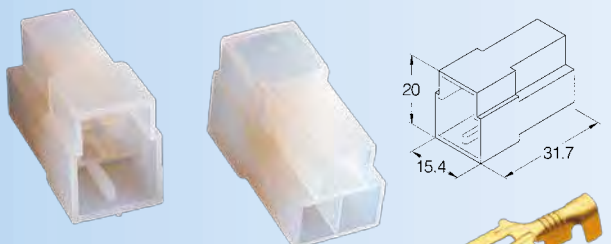
**180923**  2 P - female - 6.3 mm  
**180923-5**  2 P - female - 6.3 mm

vpe 10



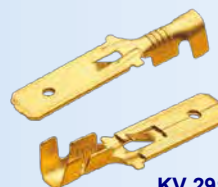
KV.292

KV.291



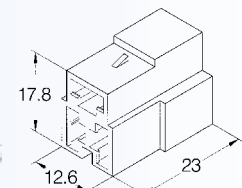
**180940**  3 P - male - 6.3 mm  
**180940-5**  3 P - male - 6.3 mm

vpe 5







**180941**  3 P - female - 6.3 mm  
**180941-5**  3 P - female - 6.3 mm

vpe 5

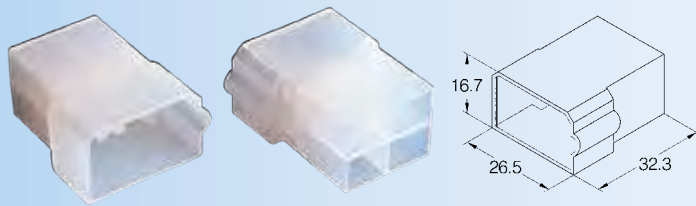




KV.292

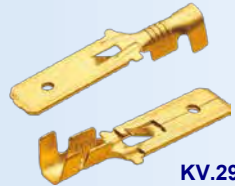
KV.291



-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker / hülse
-  Boîtiers et connecteurs pour contacts à sertir

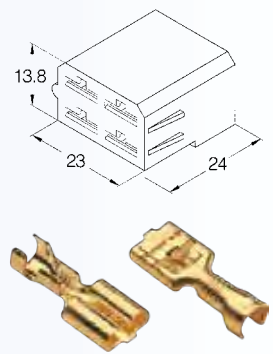
**TYCO - AMP serie 250**  
**10 - 15 amp.**  
**6.3 x 0.8 mm**



**180901**  4 P - male - 6.3 mm 5  
**180901-5**  4 P - male - 6.3 mm 10

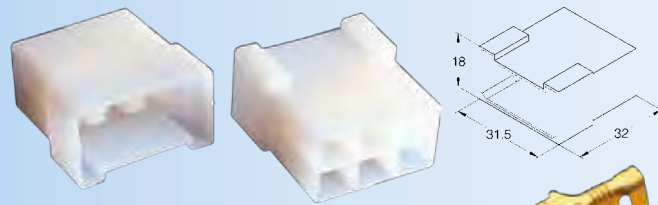




**180900**  4 P - female - 6.3 mm 5  
**180900-5**  4 P - female - 6.3 mm 10



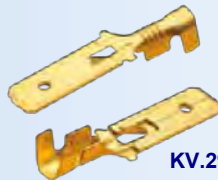
vpe

**KV.2922**




**180906**  6 P - male - 6.3 mm 5  
**180906-5**  6 P - male - 6.3 mm 10

vpe



**KV.2911**

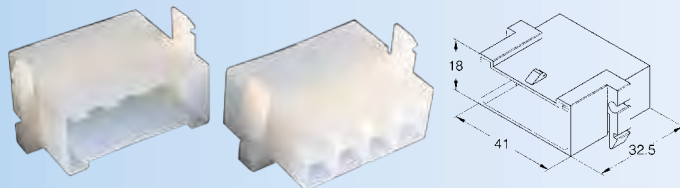




**180904**  6 P - female - 6.3 mm 5  
**180904-5**  6 P - female - 6.3 mm 10

vpe

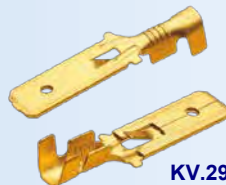


**KV.2922**

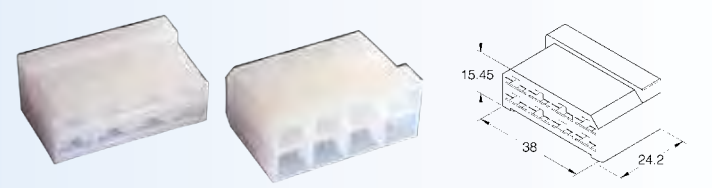




**163007**  8 P - male - 6.3 mm 5  
**163007-5**  8 P - male - 6.3 mm 5

vpe



**KV.2911**



**163008**  8 P - female - 6.3 mm 5  
**163008-5**  8 P - female - 6.3 mm 5


vpe



**KV.2922**




**KV.059** female - 6.3 x 0.8 mm

 1.0 - 2.5 mm<sup>2</sup>

vpe 100



**KV.410** female - 6.3 x 0.8 mm

 1.0 - 2.5 mm<sup>2</sup>

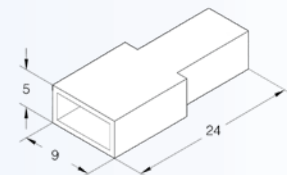
vpe 100







**KV.411** female - 6.3 x 0.8 mm

 1.0 - 2.5 mm<sup>2</sup>

vpe 100







-  Assortiment MATE-N-LOCK connectorhuizen -
-  connectoren Kit MATE-N-LOCK connectors - terminals
-  Sortiment MATE-N-LOCK Steckgehäuse - Crimpverbinder
-  Assortiment Boîtiers MATE-N-LOCK et connecteurs

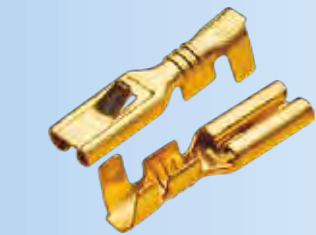
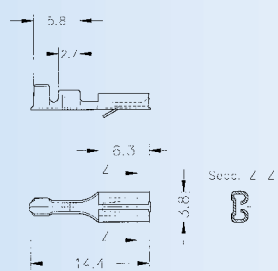
Inhoud	
10x 180905 - 1 pol.	5x 180941 - 3 pol
10x 180916 - 1 pol	5x 180901 - 4 pol
10x 180924 - 2 pol	5x 180900 - 4 pol
10x 180923 - 2 pol	5x 180906 - 6 pol
10x 180908 - 2 pol	5x 180904 - 6 pol
10x 180907 - 2 pol	3x 163008 - 8 pol
5x 180940 - 3 pol	3x 163007 - 8 pol
100x KV.2911	100x KV.2922

**AS.199**




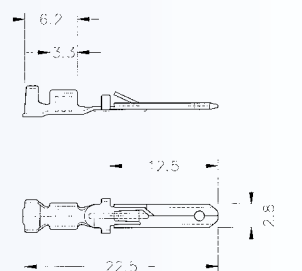
-  Connectoren voor multi-connectorhuizen
-  Connectors for multi-connector housings
-  Flachstecker / Hülsen für Flachsteckgehäuse
-  Fiche / contacts à sertir pour Boîtiers et connecteurs

- TYCO - AMP
- 2.8 x 0.5 mm
- 2.8 x 0.8 mm
- 6.3 x 0.8 mm


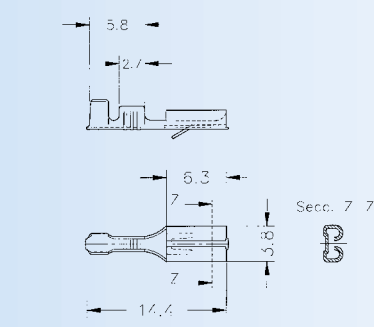
**KV.119** female - 2.8 x 0.5  
mm 0.5 - 1.0 mm<sup>2</sup>

vpe 100

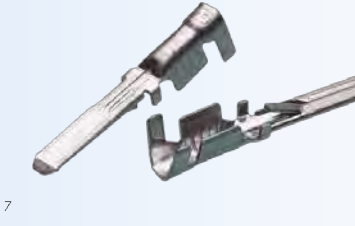
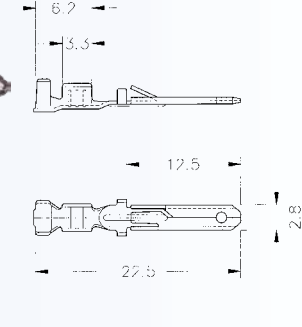
**KV.016** male - 2.8 x 0.5 mm  
0.5 - 1.0 mm<sup>2</sup>

vpe 100


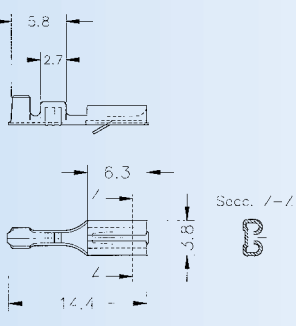
**KV.118** female - 2.8 x 0.8 mm  
0.5 - 1.0 mm<sup>2</sup>

vpe 100


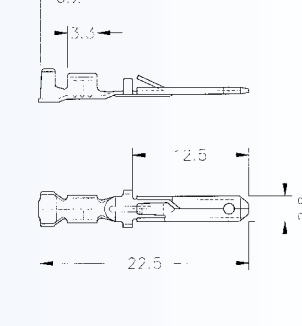
**160309-2** male - 2.8 x 0.8 mm  
0.5 - 1.0 mm<sup>2</sup>

vpe 100


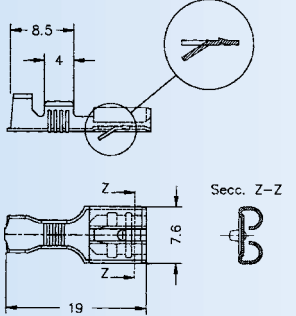
**KV.096** female - 2.8 x 0.8 mm  
0.5 - 1.0 mm<sup>2</sup>

vpe 100

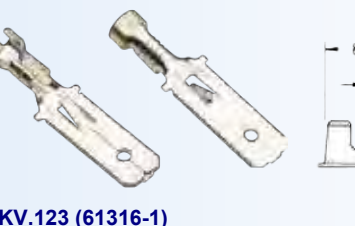
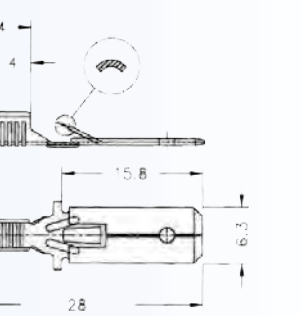
**160743-3** male - 2.8 x 0.8 mm  
0.5 - 1.0 mm<sup>2</sup>

vpe 100


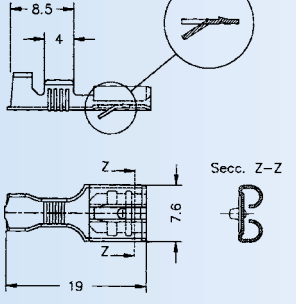
**KV.120 (60838-1)**  
female - 6.3 x 0.8 mm  
0.5 - 1.0 mm<sup>2</sup>

vpe 100


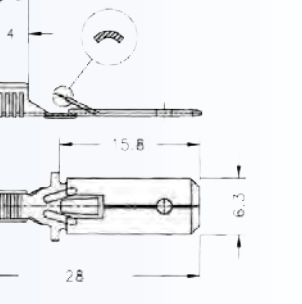
**KV.123 (61316-1)**  
male - 6.3 x 0.8 mm  
0.5 - 1.0 mm<sup>2</sup>

vpe 100


**KV.2922** female - 6.3 x 0.8  
mm 1.0 - 2.5 mm<sup>2</sup>

vpe 100

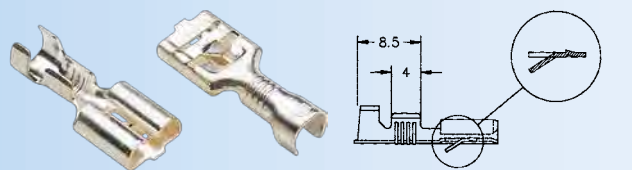



**KV.2911** male - 6.3 x 0.8 mm  
1.0 - 2.5 mm<sup>2</sup>

vpe 100

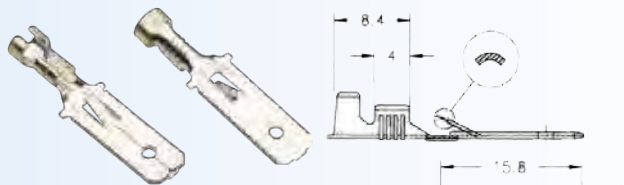
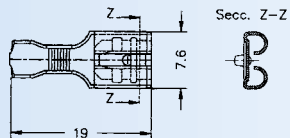

**Connectoren voor multi-connectorhuizen**  
**Connectors for multi-connector housings**  
**Flachstecker / Hülsen für Flachsteckgehäuse**  
**Fiche / contacts à sertir pour Boîtiers et connecteurs**

**TYCO - AMP**  
**2.8 x 0.5 mm 2.8 x 0.8 mm**  
**5.0 x 0.8 mm 6.3 x 0.8 mm**



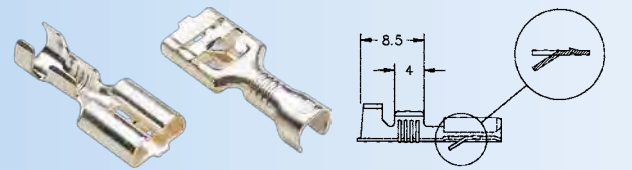
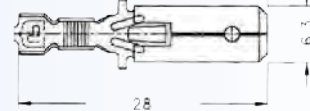
**KV.121 (42238-2)**  
 female - 6.3 x 0.8  
 mm 1.0 - 2.5 mm<sup>2</sup>

vpe 100



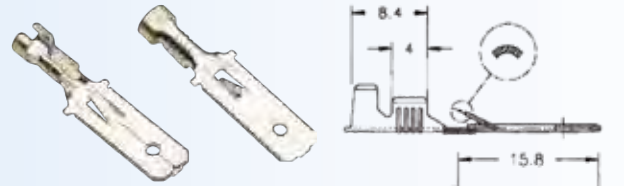
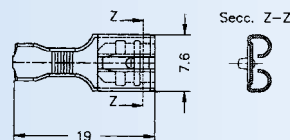
**KV.124 (42241-2)**  
 male - 6.3 x 0.8 mm  
 mm 1.0 - 2.5 mm<sup>2</sup>

vpe 100



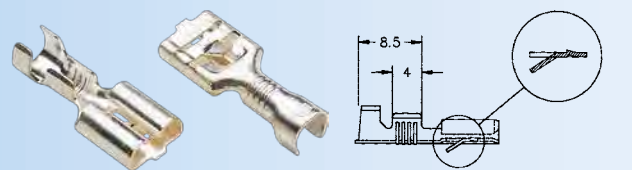
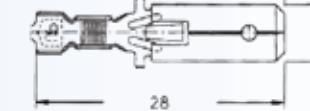
**180384-2** female - 6.3 x 0.8 mm  
 2.5 - 6.0 mm<sup>2</sup>

vpe 50



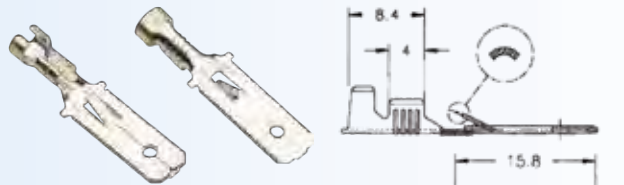
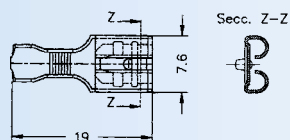
**180409-2** male - 6.3 x 0.8 mm  
 2.5 - 6.0 mm<sup>2</sup>

vpe 50



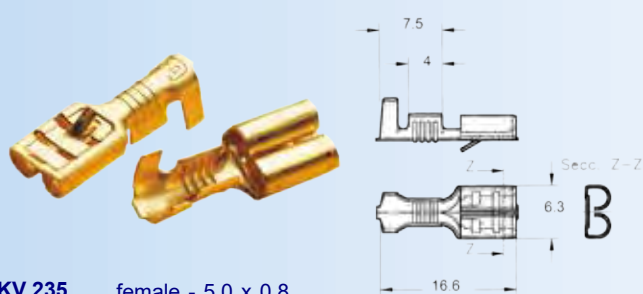
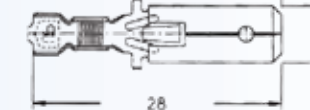
**KV.166** female - 6.3 x 0.8 mm  
 2.5 - 6.0 mm<sup>2</sup>

vpe 50



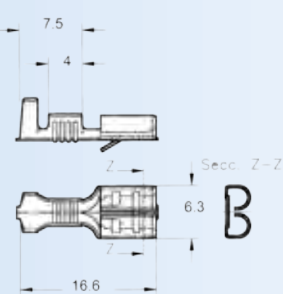
**KV.167** male - 6.3 x 0.8 mm  
 2.5 - 6.0 mm<sup>2</sup>

vpe 50



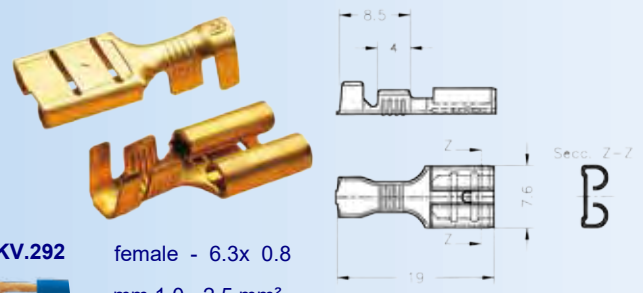
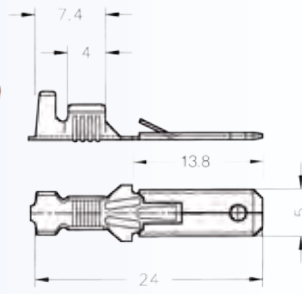
**KV.235** female - 5.0 x 0.8 mm  
 mm 1.0 - 2.5 mm<sup>2</sup>

vpe 100



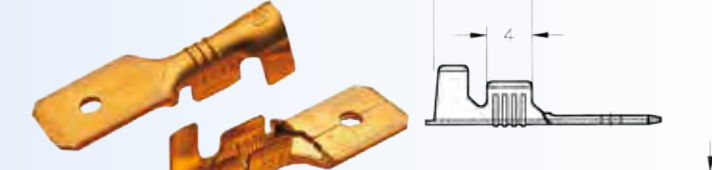
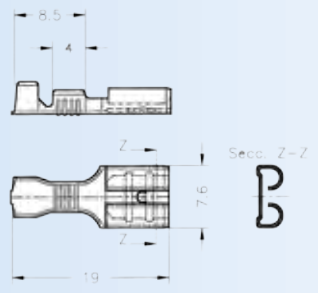
**KV.236** male - 5.0 x 0.8 mm  
 mm 1.0 - 2.5 mm<sup>2</sup>

vpe 100



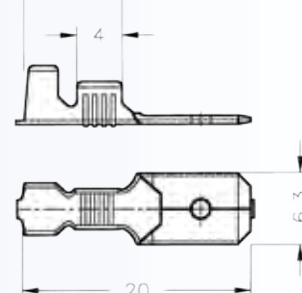
**KV.292** female - 6.3 x 0.8 mm  
 mm 1.0 - 2.5 mm<sup>2</sup>





vpe 100



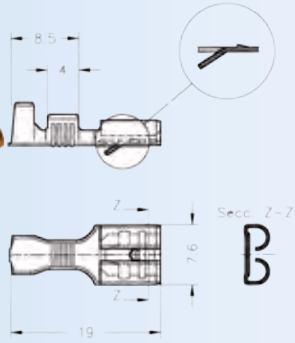
**KV.291** male - 6.3 x 0.8 mm  
 mm 1.0 - 2.5 mm<sup>2</sup>

vpe 100



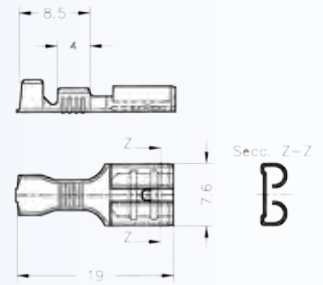
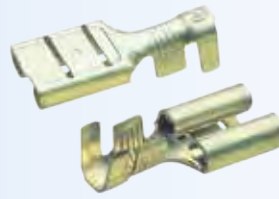
-  Connectoren voor multi-connectorhuizen
-  Connectors for multi-connector housings
-  Flachstecker / Hülsen für Flachsteckgehäuse
-  Fiche / contacts à sertir pour Boîtiers et connecteurs

**TYCO - AMP**  
 2.8 x 0.5 mm    2.8 x 0.8 mm  
 5.0 x 0.8 mm    6.3 x 0.8 mm







**KV.234** female - 6.3 x 0.8  
 mm 1.0 - 2.5 mm<sup>2</sup>

vpe 100

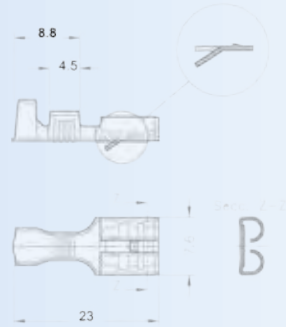


**160304-4** female - 6.3x 0.8  
 mm 1.0 - 2.5 mm<sup>2</sup>

vpe 100

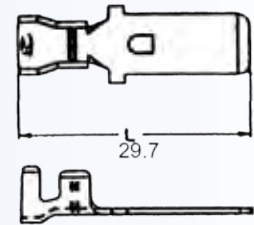
-  Connectoren voor multi-connectorhuizen
-  Connectors for multi-connector housings
-  Flachstecker / Hülsen für Flachsteckgehäuse
-  Fiche / contacts à sertir pour Boîtiers et connecteurs

**TYCO - AMP**  
 7.7 x 0.8 mm  
 9.5x 1.2 mm



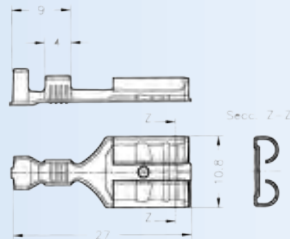
**KV.122** female 7.7 x 0.8 mm  
 1.0 - 2.5 mm<sup>2</sup>

vpe 100



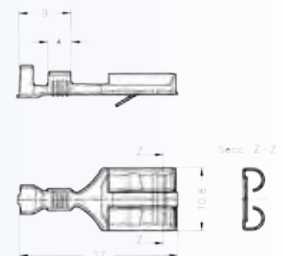
**KV.237** male 7.7 x 0.8 mm  
 1.0 - 2.5 mm<sup>2</sup>

vpe 100



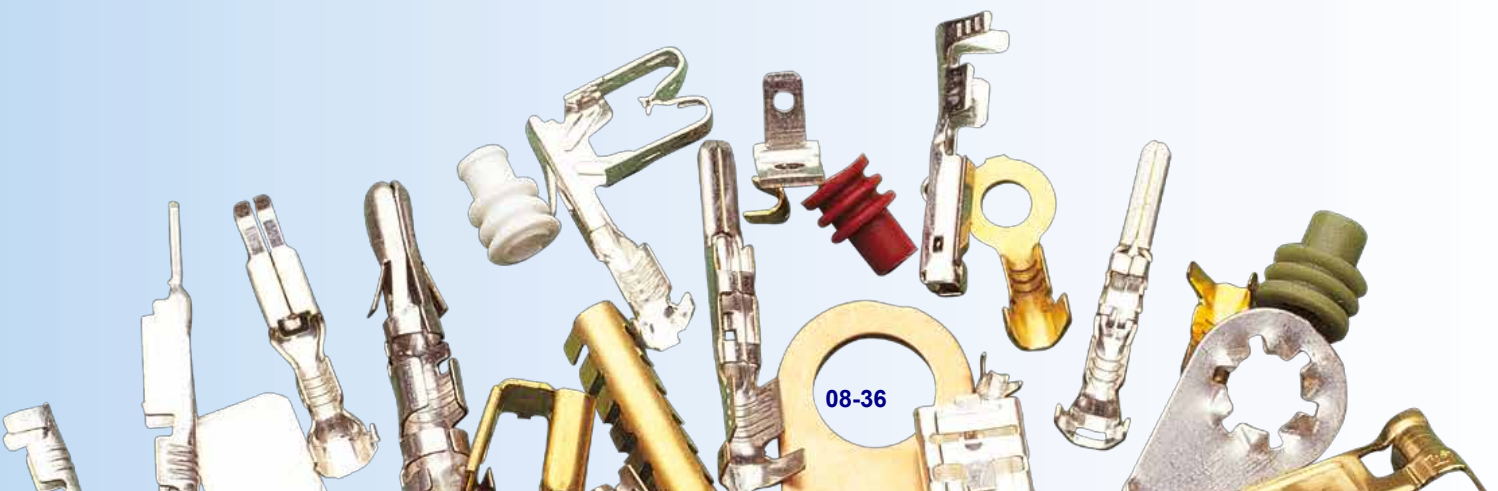
**KV.241** female - 9.5 x 1.2  
 mm 1.0 - 2.5 mm<sup>2</sup>





vpe 50



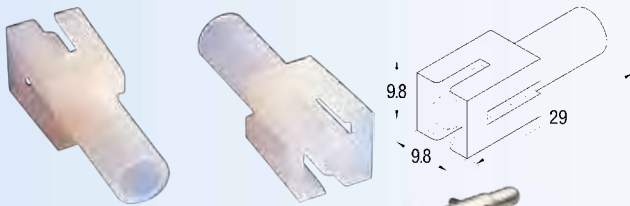
**KV.240** 9.5X1.2  
 2.5 - 6.0 mm<sup>2</sup>

vpe 50

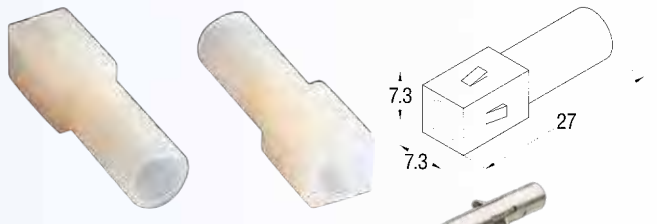


-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker/ hülse
-  Boîtiers et connecteurs pour contacts à sertir

**TYCO - AMP Mate-N-Lock**  
10 - 15 amp. 0.5 - 2.1 mm



**480351**  
1 P - male  
vpe 10



**480349**  
1 P - female  
vpe 10



**350778-1**  
2 P - male  
vpe 10



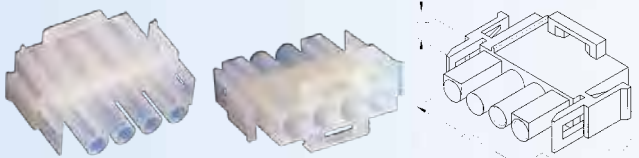
**350777-1**  
2 P - female  
vpe 10



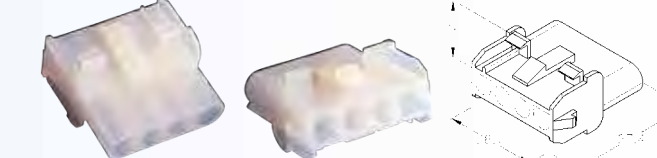
**1-163037**  
3 P - male  
vpe 10



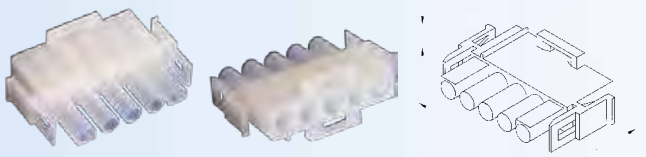
**1-163038-0**  
3 P - female  
vpe 10



**925109**  
4 P - male  
vpe 10



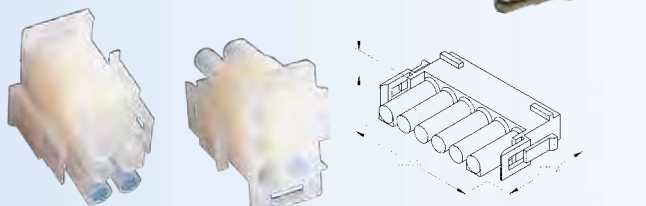
**925074**  
4 P - female  
vpe 10



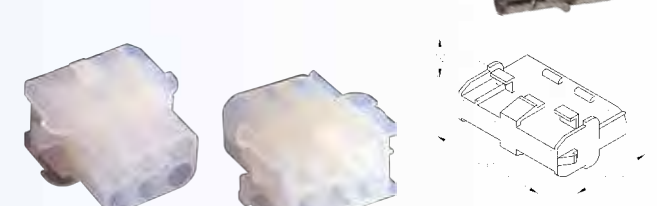
**350810-1**  
5 P - male  
vpe 10







**350809-1**  
5 P - female  
vpe 10



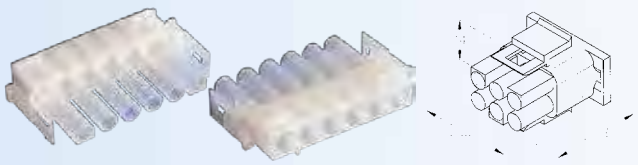
**1-163036**  
6 P - male  
vpe 10



**1-163035**  
6 P - female  
vpe 10

-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker/ hülse
-  Boîtiers et connecteurs pour contacts à sertir

TYCO - AMP Mate-N-Lock  
10 - 15 amp. 0.5 - 2.1 mm



350715-4

6 P - male

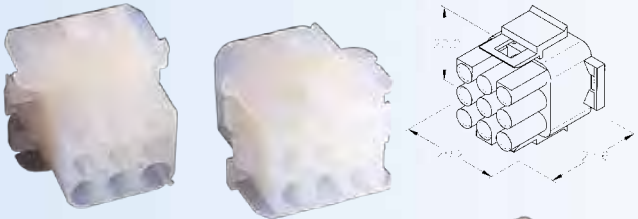
vpe 10



926682-3

6 P - female

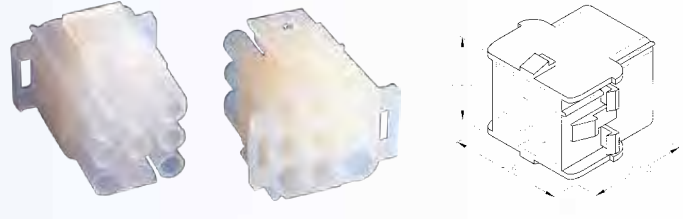
vpe 10



350720-1

9 P - male

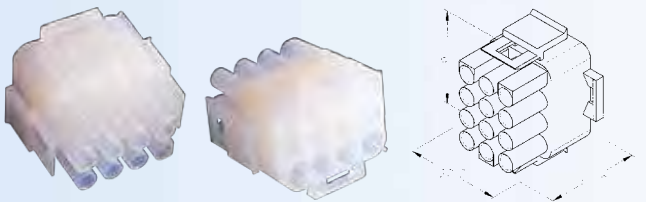
vpe 10



927231-3

9 P - female

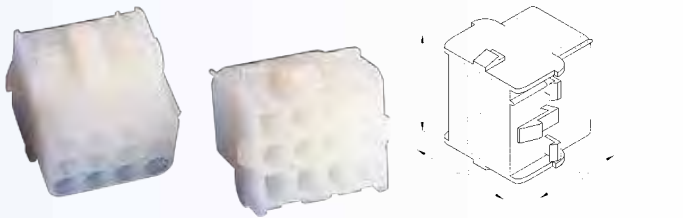
vpe 10



1-163032

12 P - male

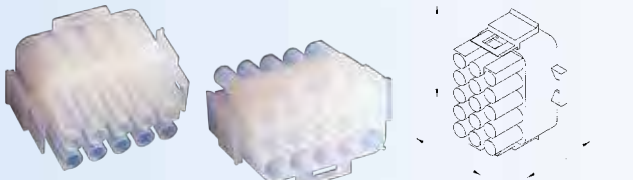
vpe 10



1-163031

12 P - female

vpe 10



350736-1

15 P - male





vpe 10



926647-3

15 P - female

vpe 10

-  Connectoren voor multi-connectorhuizen
-  Connectors for multi-connector housings
-  Flachstecker / Hülsen für Flachsteckgehäuse
-  Fiche / contacts à sertir pour Boîtiers et connecteurs

TYCO - AMP Mate-N-Lock  
10 - 15 amp.  
0.5 - 2.1 mm



18520-01 female - Ø 2.1 mm

0.25 - 0.8 mm<sup>2</sup>

vpe 50



926893-1 female - Ø 2.1 mm

0.5 - 2.1 mm<sup>2</sup>

vpe 50



17520-01 male - Ø 2.1 mm

0.25 - 0.8 mm<sup>2</sup>

vpe 50







926894-1 male - Ø 2.1 mm

0.5 - 2.1 mm<sup>2</sup>

vpe 50



-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, Stecker / Hülsen
-  Boîtiers et connecteurs pour contacts à sertir

TYCO - AMP - Kostal



826008-5  
Junior Timer - 2p

vpe 10



827551-1  
Junior Timer - 2p

vpe 10



827551-5  
Junior Timer - 2p

vpe 10



827551-3  
Junior Timer - 2p

vpe 10



828657-2  
Junior Power Timer - 2p

vpe 10



828657-5  
Junior Power Timer - 2p

vpe 10



828657-8  
Junior Power Timer - 2p

vpe 10



828657-3  
Junior Power Timer - 2p

vpe 10



KV.159  
Sensor - 2P

vpe 10



KV.302  
KOSTAL SLK 2.8 ELA 2p C1.

vpe 10



KV.307  
KOSTAL SLK 2.8 ELA 2p C1

vpe 10



KV.308  
KOSTAL SLK 2.8 ELA 2p C2

vpe 10



KV.309  
KOSTAL SLK 2.8 ELA 3p C1

vpe 10



KV.310  
KOSTAL SLK 2.8 ELA 3p C3

vpe 10



KV.311  
KOSTAL SLK 2.8 ELA 3p C2

vpe 10



1-827578-1  
C - JP Timer - 3p

vpe 10



KV.912  
Junior Power Timer - 4p

vpe 10



827579-1  
Junior Power Timer - 5p

vpe 10







KV.913  
Junior Power Timer - 6p

vpe 10



KV.914  
Junior Power Timer - 7p

vpe 10

-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, Stecker / Hülsen
-  Boîtiers et connecteurs pour contacts à sertir

TYCO - AMP - Kostal - DELPHI



**KV.9078**  
DELPHI 2.8MM 2P JPT

vpe 5



**KV.9079**  
DELPHI 2.8MM3P JPT

vpe 1







**KV.9080 - 2.8MM AUDI/VW**  
GHW MDK 3 Plus 2P

vpe 5



**KV.9081 - 2.8MM AUDI/VW**  
DGHW MDK 3 Plus 2P

vpe 5

-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, Stecker / Hülsen
-  Boîtiers et connecteurs pour contacts à sertir

TYCO - AMP - Kostal - DELPHI



**KV.160** cover - 2p

vpe 1



**KV.161** cover - 2p - 90°

vpe 1



**880811-2** cover - 3p

vpe 1



**KV.163** cover - 4p

vpe 1



**880814-1** cover - 5p

vpe 1







**KV.164** cover - 6p

vpe 1



**KV.162** cover - 7p

vpe 1

-  Multi-connector huizen
-  Multi-connector housings
-  Flachsteckgehäuse
-  Boîtiers

Junior Timer



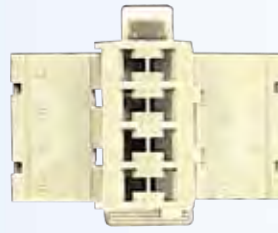
**927367-1** Junior Timer - 8p

vpe 10



**927366-1** Junior Timer - 8p

vpe 10







**927365-1** Junior Timer - 8p

vpe 10



**927368-1** Junior Timer - 8p

vpe 10

-  Audio Multi-connector huizen
-  Audio Multi-connector housings
-  Audio Flachsteckgehäuse
-  Boîtiers à Audio

Junior Power Timer



**962189-1**  
JPT AUDIO A 8P R-LOCK





vpe 10



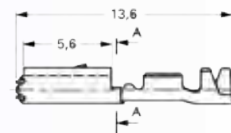
**962191-1**  
JPT AUDIO B 8P C-LOCK

vpe 10

08-40

-  Connectoren voor multi-connectorhuizen
-  Connectors for multi-connector housings
-  Flachstecker / Hülsen für Flachsteckgehäuse
-  Fiche / contacts à sertir pour Boîtiers et connecteurs

**TYCO - AMP MQS**



**KV.8066** MQS F 0.6  
0.2 - 0.5 mm<sup>2</sup>

vpe 50

**KV.8067** MQS ELA F 0.6  
0.2 - 0.5 mm<sup>2</sup>

vpe 50

**KV.8068** MQS F 0.6  
0.5 - 0.75 mm<sup>2</sup>

vpe 50

**KV.8069** MQS ELA F 0.6  
0.5 - 0.75 mm<sup>2</sup>

vpe 50



**KV.8072** MQS M 0.6  
0.2 - 0.5 mm<sup>2</sup>

vpe 50

**KV.8073** MQS ELA M 0.6  
0.2 - 0.5 mm<sup>2</sup>

vpe 50

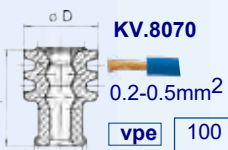
**KV.8074** MQS M 0.6  
0.5 - 0.75 mm<sup>2</sup>

vpe 50

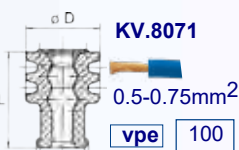
**KV.8075** MQS ELA M 0.6  
0.5 - 0.75 mm<sup>2</sup>

vpe 50

Voor MQS + MCON - Geel  
Ø van 4.1 mm tot 4.3 mm Lengte 8.5 mm

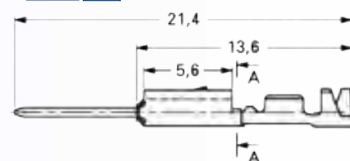






**KV.8070**  
0.2-0.5mm<sup>2</sup>  
vpe 100



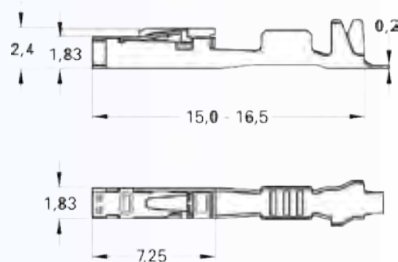
**KV.8071**  
0.5-0.75mm<sup>2</sup>  
vpe 100

Voor MQS + MCON - Groen  
Ø van 4.1 mm tot 4.3 mm Lengte 8.5 mm



-  Connectoren voor multi-connectorhuizen
-  Connectors for multi-connector housings
-  Flachstecker / Hülsen für Flachsteckgehäuse
-  Fiche / contacts à sertir pour Boîtiers et connecteurs

**TYCO - AMP MCON 1.2**







**KV.8076** MCON ELA F 1.2  
0.5 - 0.75 mm<sup>2</sup>

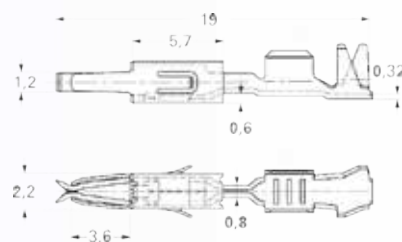
vpe 50

**KV.8077** MCON ELA F 1.2  
1.0 - 1.5 mm<sup>2</sup>

vpe 50

-  Multi-connector connectoren
-  Multi-connectors
-  Flachsteckgehäuse, stecker/ hülsen
-  Connecteurs pour contacts à sertir

**TYCO - AMP - Micro Timer**



**962945-1** Micro Timer F 2.8  
0.5 - 1.0 mm<sup>2</sup>

vpe 100



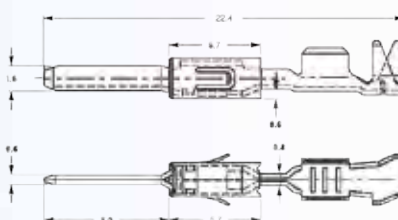
**962944-1** Micro Timer F 2.8  
0.2 - 0.5 mm<sup>2</sup>





vpe 100



**963905-1** Micro Timer M 2.8  
0.5 - 1.0 mm<sup>2</sup>

vpe 100



-  Multi-connector connectoren
-  Multi-connectors
-  Flachsteckgehäuse, stecker/ hülse
-  Connecteurs pour contacts à sertir

### TYCO - AMP - Micro Timer II



**KV.8078** Micro Timer II F 2.8

0.5 - 1.0 mm<sup>2</sup>

vpe 50

**KV.8079** Micro Timer II F 2.8 ELA

0.5 - 1.0 mm<sup>2</sup>

vpe 50



**Gold Plated**

**KV.8008** Micro Timer II F 2.8 ELA

0.2 - 0.5 mm<sup>2</sup>

vpe 50



**Tin Plated**

**KV.8009** Micro Timer II F 2.8

0.5 - 1.0 mm<sup>2</sup>

vpe 50



**KV.8012**

0.35-1.0 mm<sup>2</sup>  
Tyco ELA 3  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50

**KV.8013**

0.5-0.75 mm<sup>2</sup>  
Tyco ELA 3  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50



**KV.8010** Micro Timer II M 2.8

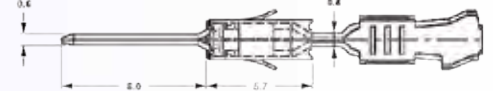
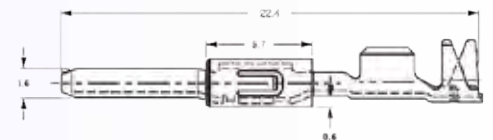
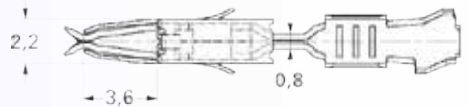
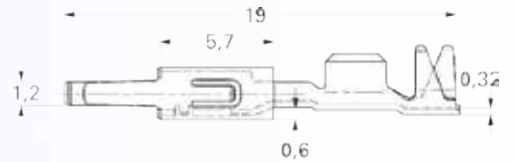
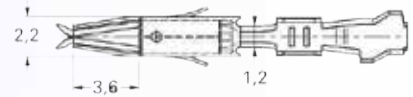
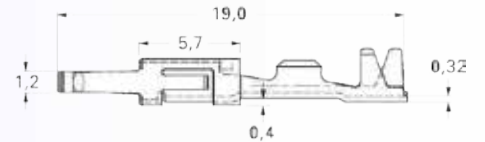
0.2 - 0.5 mm<sup>2</sup>





vpe 50

**KV.8011** Micro Timer II M 2.8

0.5 - 1.0 mm<sup>2</sup>

vpe 50



-  Multi-connector connectoren
-  Multi-connectors
-  Flachsteckgehäuse, stecker/ hülse
-  Connecteurs pour contacts à sertir

### TYCO - AMP - MCP 1.5



**KV.8032** TYCO MCP F 1.5 ELA

0.2 - 0.35 mm<sup>2</sup>

vpe 50

**KV.8033** TYCO MCP F 1.5 ELA

0.5 - 1.0 mm<sup>2</sup>

vpe 50

**KV.8034** TYCO MCP F 1.5 ELA

1.0 - 1.5 mm<sup>2</sup>

vpe 50



**KV.8080** TYCO MCP F 1.5

0.2 - 0.35 mm<sup>2</sup>

vpe 50

**KV.8081** TYCO MCP F 1.5

0.5 - 1.0 mm<sup>2</sup>

vpe 50

**KV.8082** TYCO MCP F 1.5

1.0 - 1.5 mm<sup>2</sup>

vpe 50



**KV.8083** TYCO MCP M 1.5 ELA

0.2 - 0.35 mm<sup>2</sup>

vpe 50

**KV.8084** TYCO MCP M 1.5 ELA

0.5 - 1.0 mm<sup>2</sup>

vpe 50

**KV.8085** TYCO MCP M 1.5 ELA

1.5 mm<sup>2</sup>

vpe 50



**KV.8064** TYCO MCP M 1.5

0.2 - 0.35 mm<sup>2</sup>

vpe 50

**KV.8065** TYCO MCP M 1.5

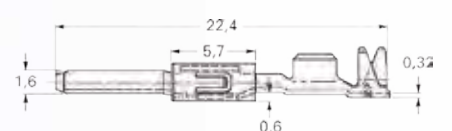
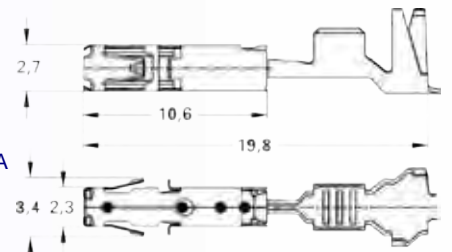
0.5 - 1.0 mm<sup>2</sup>

vpe 50

**1241846-2** TYCO MCP M 1.5

1.5 mm<sup>2</sup>

vpe 50



**KV.8012**

0.35-1.0 mm<sup>2</sup>  
Tyco ELA 3  
Tyco MCP 1.5  
Tyco MT II / MT III

vpe 50

**KV.8013**

0.5-0.75 mm<sup>2</sup>  
Tyco ELA 3  
Tyco MCP 1.5  
Tyco MT II / MT III





vpe 50



**KV.8035**

1.0-1.5 mm<sup>2</sup>  
Tyco ELB 3.6

vpe 50

-  Multi-connector connectoren
-  Multi-connectors
-  Flachsteckgehäuse, stecker/ hülse
-  Connecteurs pour contacts à sertir

### TYCO - AMP - MCP 2.8



**KV.8053** TYCO MCP F 2.8 ELA

0.5 - 1.0 mm<sup>2</sup>

vpe 50

**KV.8054** TYCO MCP F 2.8 ELA

1.0 - 2.5 mm<sup>2</sup>

vpe 50



**KV.8086** TYCO MCP F 2.8

0.5 - 1.0 mm<sup>2</sup>

vpe 50

**KV.8087** TYCO MCP F 2.8

1.0 - 2.5 mm<sup>2</sup>

vpe 50



**2-964291-1** TYCO MCP M 2.8

0.2 - 0.5 mm<sup>2</sup>

vpe 50

**2-964293-1** TYCO MCP M 2.8

0.5 - 1.0 mm<sup>2</sup>

vpe 50



**2-964295-1** TYCO MCP M 2.8

1.0 - 1.5 mm<sup>2</sup>

vpe 50



**KV.8055**

1.0-2.5 mm<sup>2</sup>  
Tyco ELA 5.2  
Tyco MCP 2.8

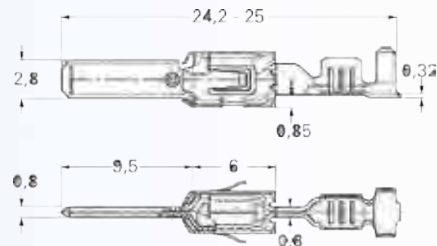
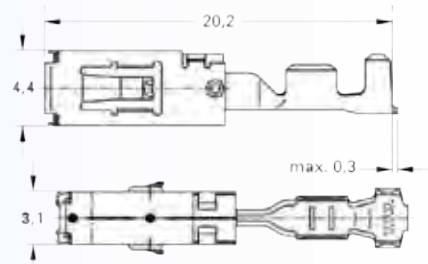
vpe 50







**828904-1**

0.35-1.0 mm<sup>2</sup>  
Tyco ELA 5.2  
Tyco JPT  
Tyco MCP

vpe 50



-  Multi-connector connectoren
-  Multi-connectors
-  Flachsteckgehäuse, stecker/ hülse
-  Connecteurs pour contacts à sertir

### TYCO - AMP - MCP 4.8 MCP 6.3



**1241404-1** MCP 4.8/6.3 F ELA

1.5-2.5 mm<sup>2</sup>

vpe 50



**1241404-1** MCP 4.8/6.3 M ELA

1.5-2.5 mm<sup>2</sup>

vpe 50



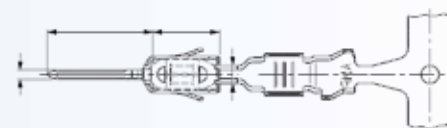
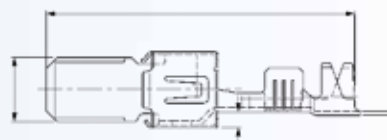
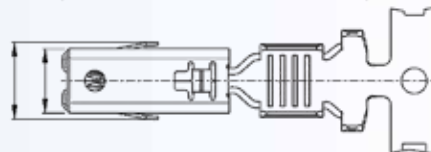
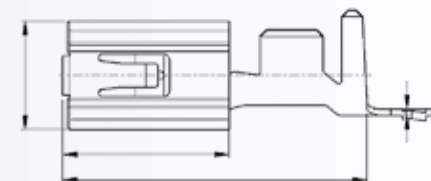
**SD.243**





8.5 mm

7.9 - 8.2 mm

vpe 50

1.0 - 2.5 mm<sup>2</sup>



-  Multi-connector connectoren
-  Multi-connectors
-  Flachsteckgehäuse, stecker/ hülse
-  Connecteurs pour contacts à sertir

**TYCO - AMP - MCP 9.5**



**KV.8089 MCP 9.5 F ELA**

6.0-10.0 mm<sup>2</sup>

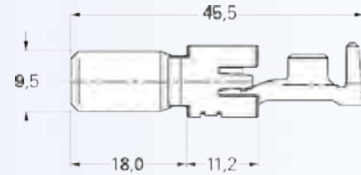
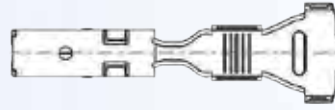
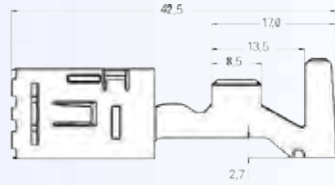
vpe 10



**KV.8100 MCP 9.5 F ELA**

6.0-10.0 mm<sup>2</sup>

vpe 10



**KV.8091**

8.5 mm

7.9 - 8.2 mm

6.0 mm<sup>2</sup>

vpe 25







**KV.8101**

17 mm

15.3 - 17.5 mm

10.0 mm<sup>2</sup>

vpe 25

-  Connectoren voor multi-connectorhuizen
-  Connectors for multi-connector housings
-  Flachstecker / Hülsen für Flachsteckgehäuse
-  Fiche / contacts à sertir pour Boîtiers et connecteurs

**TYCO - AMP JUNIOR TIMER**



**KV.113 Junior Timer F 2.8**

0.5 - 1.0 mm<sup>2</sup>

vpe 100



**KV.112 Junior Timer F 2.8**

1.5 - 2.5 mm<sup>2</sup>

vpe 100



**925596-2 Junior Timer F 2.8**

0.5 - 1.0 mm<sup>2</sup>

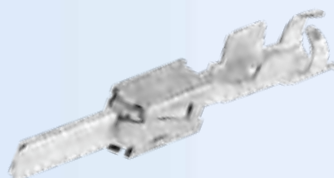
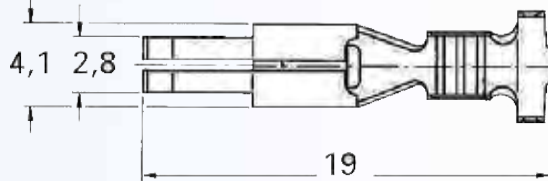
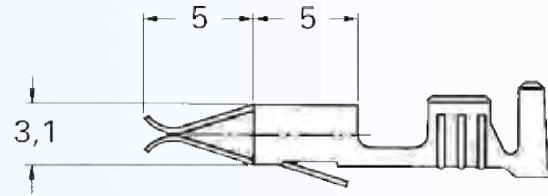
vpe 100



**925597-2 Junior Timer F 2.8**

1.5 - 2.5 mm<sup>2</sup>

vpe 100



**1-963745-1 Junior Timer M 2.8**

0.2 - 0.5 mm<sup>2</sup>

vpe 100



**2-963748-1 Junior Timer M 2.8**

0.5 - 1.5 mm<sup>2</sup>





vpe 100



**2-963747-1 Junior Timer M 2.8**

1.5 - 2.0 mm<sup>2</sup>

vpe 100

-  Multi-connector connectoren
-  Multi-connectors
-  Flachsteckgehäuse, stecker/ hülßen
-  Connecteurs pour contacts à sertir

**TYCO - AMP - Junior Power Timer**



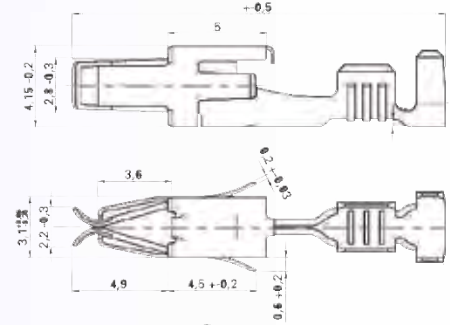
**927779-1** Junior Power Timer F 2.8  
0.5 - 1.0 mm<sup>2</sup>

vpe 100



**927777-1** Junior Power Timer F 2.8  
1.5 - 2.5 mm<sup>2</sup>





vpe 100



**927777-3** Junior Power Timer F 2.8  
1.5 - 2.5 mm<sup>2</sup>

vpe 100



-  Multi-connector connectoren
-  Multi-connectors
-  Flachsteckgehäuse, stecker/ hülßen
-  Connecteurs pour contacts à sertir

**TYCO - AMP - Junior Power Timer**



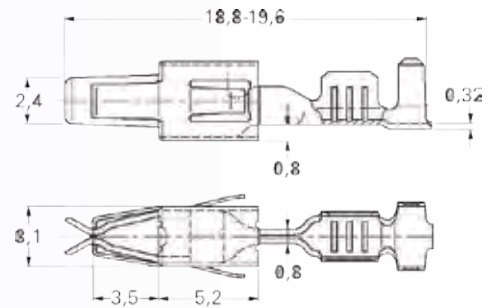
**927777-4** Junior Power Timer F 2.8  
0.2- 0.5 mm<sup>2</sup>

vpe 50



**KV.8093** Junior Power Timer F 2.8 ELA  
0.2- 0.5 mm<sup>2</sup>

vpe 50



**KV.8094** Junior Power Timer F 2.8  
1.5- 2.5 mm<sup>2</sup>

vpe 50



**KV.8001**  
Afdichting 0.35-1.0 mm<sup>2</sup>  
AMP Tyco ELA 5.2  
AMP Tyco JPT  
AMP Tyco MCP 2.8

vpe 50



**KV.8002**  
Afdichting 0.50-2.5 mm<sup>2</sup>  
AMP Tyco ELA 5.2  
AMP Tyco JPT  
AMP Tyco MCP 2.8

vpe 50



**KV.8003**  
Afdichting 1.50-2.5 mm<sup>2</sup>  
AMP Tyco ELA 5.2  
AMP Tyco JPT  
AMP Tyco MCP 2.8

vpe 50



**928931-2** Junior Power Timer M 2.8  
0.5 - 1.0 mm<sup>2</sup>

vpe 50



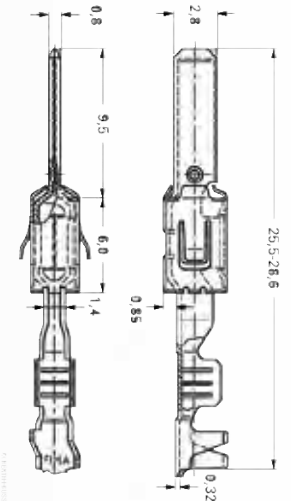
**KV.116** Junior Power Timer M 2.8  
1.0 - 2.5 mm<sup>2</sup>

vpe 100



**928794-2** Junior Power Timer M  
2.8 1.5 - 2.5 mm<sup>2</sup>

vpe 100



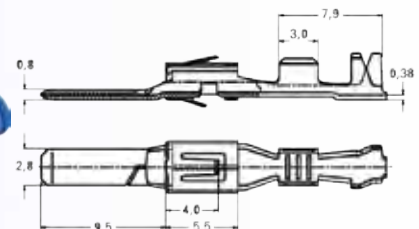
**KV.8102** Junior Power Timer M 2.8  
0.5 - 1.0 mm<sup>2</sup>

vpe 50







**KV.8103** Junior Power Timer M 2.8 ELA  
0.5 - 1.0 mm<sup>2</sup>

vpe 50



**828904-1**  
0.35-1.0 mm<sup>2</sup>  
Tyco ELA 5.2  
Tyco JPT  
Tyco MCP

vpe 50

-  Multi-connector connectoren
-  Multi-connectors
-  Flachsteckgehäuse, stecker/ hülse
-  Connecteurs pour contacts à sertir

### Standard Power Timer



**KV.117** Standard Power Timer F

0.5 - 1.0 mm<sup>2</sup>

vpe 50



**927834-2** Standard Power Timer F

1.5 - 2.5 mm<sup>2</sup>

vpe 50



**KV.8095** Standard Power Timer F ELA

1.5 - 2.5 mm<sup>2</sup>

vpe 50



**KV.8096** Standard Power Timer F

2.5 - 4.0 mm<sup>2</sup>

vpe 10

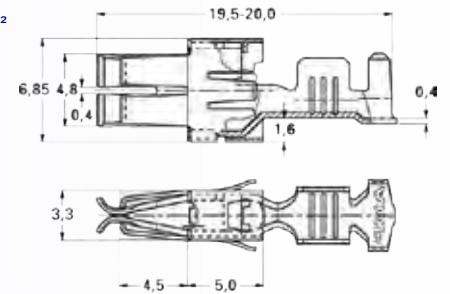


**SD.243** 1.0 - 2.5 mm<sup>2</sup>

8.5 mm

7.9 - 8.2 mm

vpe 50



**1-963737-1** Standard Power Timer M

0.5 - 1.0 mm<sup>2</sup>

vpe 50



**963594-1** Standard Power Timer M

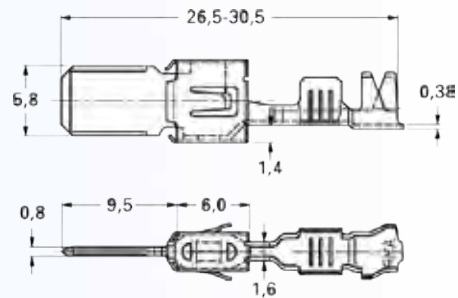
1.5 - 2.5 mm<sup>2</sup>





vpe 50



**KV.8097** Standard Power Timer M ELA

1.5 - 2.5 mm<sup>2</sup> vpe 50



-  Multi-connector connectoren
-  Multi-connectors
-  Flachsteckgehäuse, stecker/ hülse
-  Connecteurs pour contacts à sertir

### TYCO - AMP Standard Timer



**KV.095** Standard Timer

F 0.5 - 1.0 mm<sup>2</sup>

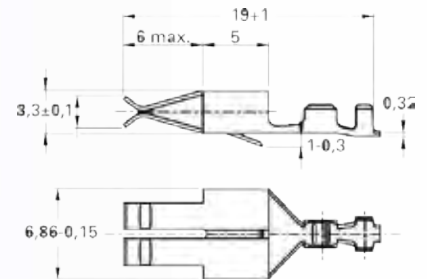
vpe 50







**925613-1** Standard Timer F

1.0 - 2.5 mm<sup>2</sup>

vpe 100



-  Multi-connector connectoren
-  Multi-connectors
-  Flachsteckgehäuse, stecker/ hülse
-  Connecteurs pour contacts à sertir

### Maxi Power Timer



**962929** Maxi Power Timer F

2.5 - 4.0 mm<sup>2</sup>

vpe 10



**962931-1** Maxi Power Timer F

4.0 - 6.0 mm<sup>2</sup>

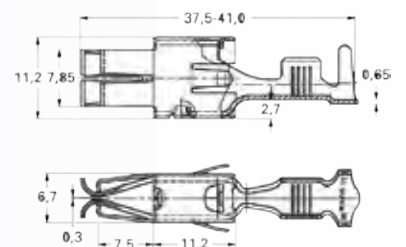
vpe 10



**962933** Maxi Power Timer F

6.0 - 10.0 mm<sup>2</sup>

vpe 10



**KV.8099**

6.0 - 10.0mm<sup>2</sup>





vpe 5

**KV.8098**

2.5 - 6.0 mm<sup>2</sup>

vpe 10



-  Multi-connector connectoren CI 2
-  Multi-connectors
-  Flachsteckgehäuse, stecker/ hülse
-  Connecteurs pour contacts à sertir







**KV.101** CI 2 - F - Ø 1.6  
mm 1.0 - 2.5 mm<sup>2</sup>

vpe 50

**KV.108** CI 2 - M - Ø 1.6 mm  
1.0 - 2.5 mm<sup>2</sup>

vpe 50

-  Multi-connector huizen en connectoren CIP
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker/ hülse
-  Boîtiers et connecteurs pour contacts à sertir



**KV.452** CIP F 0.5 - 1.0 mm<sup>2</sup>

vpe 50



**KV.453** CIP M 0.5 - 1.0 mm<sup>2</sup>

vpe 50



**KV.458** CIP Y 0.5 - 1.0 mm<sup>2</sup>

vpe 10



**KV.459**  
CIP M 0.75 - 1.00 MM  
1.0 - 2.5 mm<sup>2</sup>





vpe 50



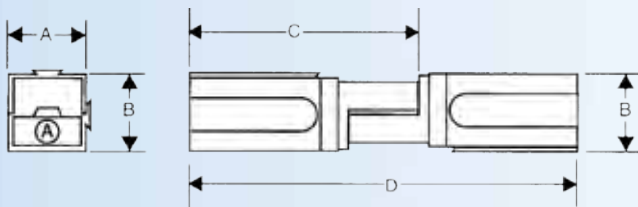
**KV.460**  
CIP F 0.75 - 1.00 MM  
1.0 - 2.5 mm<sup>2</sup>

vpe 50



-  Multi-connector huizen
-  Multi-connector housings
-  Flachsteckgehäuse
-  Boîtiers

Art.nr	Afmeting mm.			
	A	B	C	D
 KV.1327	7,9	7,9	24,6	41,3
 KV.1327G5	7,9	7,9	24,6	41,3
 KV.1327G6	7,9	7,9	24,6	41,3
 KV.1327G7	7,9	7,9	24,6	41,3
 KV.1327G8	7,9	7,9	24,6	41,3



**KV.1327** vpe 10



**KV.1327G6** vpe 10







**KV.1327G8** vpe 10



**KV.1327G5** vpe 10



**KV.1327G7** vpe 10

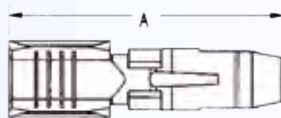
-  Multi-connector connectoren
-  Multi-connectors
-  Flachsteckgehäuse, stecker/ hülsen
-  Connecteurs pour contacts à sertir



KV.1331 vpe 50



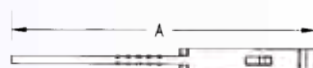
KV.261G2 vpe 50



KV.1377G3 vpe 50



KV.3177G4 vpe 50



KV.1377G1 vpe 50



KV.1377G2 vpe 50



KV.1377G12 vpe 50



Art.nr	Aplicatie	Amp.	mm <sup>2</sup>		Afmeting mm.	
					A	B
KV.1331	Aereo	15	1,29	2,05	16,3	
KV.261G2	Aereo	30/45	2,08	5,26	17,3	
KV.1377G3	C.I. Recto	30			54,9	
KV.1377G4	C.I. Recto	30			43,2	
KV.1377G1	C.I. Acod. 90°	30			36,8	17,8
KV.1377G2	C.I. Acod. 90°	30			33,0	10,2
KV.1377G12	C.I. Acod. 90°	30			24,1	10,2




 **KOSTAL MQ 0.6, Female, Steekbreedte 0,6 mm, Steekhoogte 0,6 mm, Basis materiaal CuSn (koper-tin), Vertint, Doorsnede vanaf 0,17 mm<sup>2</sup>, Doorsnede tot 0,25 mm<sup>2</sup>, Active contactzones 4, Stroombelastbaarheid bij 20°C 12,5 A, Stroombelastbaarheid bij 80°C 8 A, Temperatuurbereik tot 130 °C, Aantal steekcycli 20, Contact kracht 60 N,**



 **KOSTAL MLK 1.2m, Female, Basis materiaal CuSn/Sn (koper-tin/tin), Lamellenmateriaal CuBe/Sn (koper-beryllium/tin), Active contactzones 4, Steekhoogte 0,6 mm, Vertint, Doorsnede vanaf 0,75 mm<sup>2</sup> tot 1 mm<sup>2</sup>, Steekbreedte 1,2 mm, Temperatuurbereik tot 150 °C, Stroombelastbaarheid bij 20°C 23A, Stroombelastbaarheid bij 80°C 17A, Geen SVHC Aantal steekcycli 20, Contact kracht 60N**



 **KOSTAL MLK 1,2m ELA, Female, Basis materiaal CuSn/Sn (koper-tin/tin), Lamellenmateriaal CuBe/Sn (koper-beryllium/tin), Active contactzones 4, Steekhoogte 0,6 mm, Vertint, Doorsnede vanaf 0,17 mm<sup>2</sup>- tot 0,25 mm<sup>2</sup>, Steekbreedte 1,2 mm, Temperatuurbereik tot 150 °C, Enkel in combinatie met ELA, Stroombelastbaarheid bij 20°C 23A, Stroombelastbaarheid bij 80°C 17A, Geen SVHC, Aantal steekcycli 20, Contact kracht 60N**




 **KOSTAL MLK 1,2m, Steekhoogte 0,6 mm, Verzilverd, Doorsnede vanaf 0,17 mm<sup>2</sup> tot 0,25 mm<sup>2</sup>, Steekbreedte 1,2 mm, Basis materiaal CuSn/Sn (koper-tin/tin), Lamellenmateriaal CuBe/Ag (koper-CuBe/Ag (Kupfer-beryllium)/zilver), Active contactzones 4, tot 170°C, Stroombelastbaarheid bij 20°C 24A / bij 80°C 19A, Geen SVHC, Contact kracht 60N, Aantal steekcycli 50**




 **KOSTAL MLK 1,2m ELA, Basis materiaal CuSn/Sn (koper-tin/tin), Lamellenmateriaal CuBe/Ag (koper-CuBe/Ag (Kupfer-beryllium)/zilver), Active contactzones 4, Steekhoogte 0,6 mm, Verzilverd, Doorsnede vanaf 0,17 mm<sup>2</sup> tot 0,25 mm<sup>2</sup>, Steekbreedte 1,2 mm, 170 °C, Enkel in combinatie met ELA, Stroombelastbaarheid bij 20°C 24 A - 80°C 19 A, Geen SVHC, Contact kracht 60N, Aantal steekcycli 50**



 **KOSTAL MLK 1,2 Sm, Basis materiaal CuSn/Sn (koper-tin/tin), Lamellenmateriaal CuBe/Sn (koper-beryllium/tin), Active contactzones 4, Steekhoogte 0,6 mm, Vertint, Doorsnede vanaf 0,12 mm<sup>2</sup> tot 0,14mm<sup>2</sup>, Stekkerbreedte 1,2 mm, Temperatuurbereik tot 150 °C, Stroombelastbaarheid bij 20°C 23 A, bij 80°C 17 A, Geen SVHC Aantal steekcycli 20, Contact kracht 60 N**



**KV.9008 serie MLK 1.2 Sm**

**type** female   
**vpe** 50 0.12-0.14 mm<sup>2</sup>



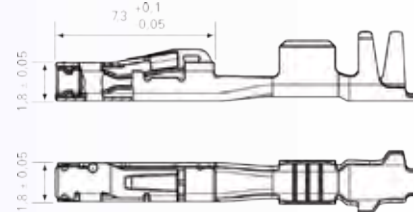
**KV.9009 serie MLK 1.2 Sm**

**type** female   
**vpe** 50 0.17-0.25 mm<sup>2</sup>



**KV.9010 serie MLK 1.2 Sm**

**type** female   
**vpe** 50 0.35 mm<sup>2</sup>




**KV.9011 serie MLK 1.2 Sm**

**type** female   
**vpe** 50 0.50-0.75 mm<sup>2</sup>



**KV.9012 MLK 1.2 Sm**

**type** female   
**vpe** 50 0.75- 1.00 mm<sup>2</sup>



**KV.9013 serie MLK 1.2 Sm**

**type** female   
**vpe** 50 1.00- 1.50 mm<sup>2</sup>



 **KOSTAL MLK 1,2Sm ELA, Basis materiaal CuSn/Sn (koper-tin/tin), Lamellenmateriaal CuBe/Sn (koper-beryllium/tin), Active contactzones 4, Steekhoogte 0,6 mm, Vertint, Doorsnede vanaf 0,17 mm<sup>2</sup>, Doorsnede tot 0,25 mm<sup>2</sup>, Stekkerbreedte 1,2 mm, Temperatuurbereik tot 150 °C, Enkel in combinatie met ELA, Stroombelastbaarheid bij 20°C 23 A, bij 80°C 17 A, Geen SVHC Aantal steekcycli 20, Contact kracht 60 N**



**KV.9014 MLK 1.2 Sm ELA**

**type** female   
**vpe** 50 0.17-0.25 mm<sup>2</sup>



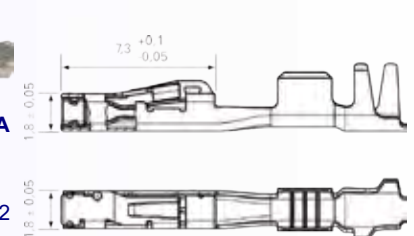
**KV.9015 MLK 1.2 Sm ELA**

**type** female   
**vpe** 50 0.35 mm<sup>2</sup>



**KV.9016 MLK 1.2 Sm ELA**

**type** female   
**vpe** 50 0.50-0.75 mm<sup>2</sup>



**KV.9017 MLK 1.2 Sm ELA**

**type** female   
**vpe** 50 0.75- 1.00 mm<sup>2</sup>



**KV.9018 MLK 1.2 Sm ELA**

**type** female   
**vpe** 50 1.00- 1.50 mm<sup>2</sup>



 **KOSTAL MLK 1,2 Sm, Basis materiaal CuSn/Sn (koper-tin/tin), Lamellenmateriaal CuBe/Ag (koper-CuBe/Ag (Kupfer-beryllium/)/zilver), Active contactzones 4, Steekhoogte 0,6 mm, Verzilverd, Doorsnede vanaf 0,12 mm<sup>2</sup> tot 0,14 mm<sup>2</sup>, Stekkerbreedte 1,2 mm, Temperatuurbereik tot 170 °C, Stroombelastbaarheid bij 20°C 24 A, bij 80°C 19 A, Geen SVHC, Contact kracht 60 N, Aantal steekcycli 50**



**KV.9019 MLK 1.2 Sm**

**type** female   
**vpe** 50 0.12-0.14 mm<sup>2</sup>




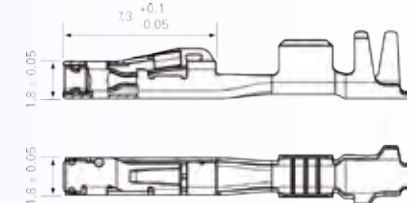
**KV.9021 MLK 1.2 Sm**

**type** female   
**vpe** 50 0.17-0.25 mm<sup>2</sup>




**KV.9022 MLK 1.2 Sm**

**type** female   
**vpe** 50 0.35 mm<sup>2</sup>




**KV.9023 MLK 1.2 Sm**

**type** female   
**vpe** 50 0.50-0.75 mm<sup>2</sup>



**KV.9024 MLK 1.2 Sm**

**type** female   
**vpe** 50 0.75- 1.00 mm<sup>2</sup>



**KV.9025 MLK 1.2 Sm**

**type** female   
**vpe** 50 1.00- 1.50 mm<sup>2</sup>



 **KOSTAL MLK 1,2Sm ELA, Basis materiaal CuSn/Sn (koper-tin/tin), Lamellenmateriaal CuBe/Ag (koper-CuBe/Ag (Kupfer-beryllium)/zilver), Active contactzones 4, Steekhoogte 0,6 mm, Verzilverd, Doorsnede vanaf 0,17 mm<sup>2</sup> tot 0,25 mm<sup>2</sup>, Stekkerbreedte 1,2 mm, Temperatuurbereik tot 170°C, Enkel in combinatie met ELA, Stroombelastbaarheid bij 20°C 24A, 80°C 19A, Geen SVHC, Aantal steekcycli 50, Contact kracht 60 N**




**KV.9026 MLK 1.2 Sm ELA**

**type** female   
**vpe** 50 0.17-0.25 mm<sup>2</sup>




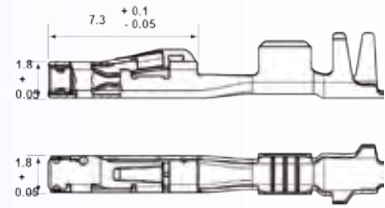
**KV.9027 MLK 1.2 Sm ELA**

**type** female   
**vpe** 50 0.35 mm<sup>2</sup>



**KV.9028 MLK 1.2 Sm ELA**

**type** female   
**vpe** 50 0.50-0.75 mm<sup>2</sup>



**KV.9029 MLK 1.2 Sm ELA**


**type** female   
**vpe** 50 0.75-1.00 mm<sup>2</sup>



**KV.9030 MLK 1.2 Sm ELA**

**type** female   
**vpe** 50 1.00-1.50 mm<sup>2</sup>



 **KOSTAL MLK 1,2, Vertint, Doorsnede vanaf 0,35 mm<sup>2</sup> tot 0,5 mm<sup>2</sup>, Steekhoogte 0,6 mm, Stekkerbreedte 1,2 mm, Basis materiaal CuSn/Sn (koper-tin/tin), Temperatuurbereik tot 150°C, Stroombelastbaarheid bij 20°C 17 A, Stroombelastbaarheid bij 80°C 14 A, Geen SVHC, Aantal steekcycli 20, Contact kracht 60 N**



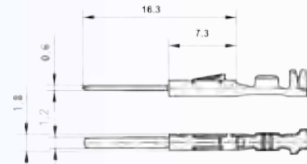
**KV.9031 MLK 1.2**

**type** male   
**vpe** 50 0.35-0.50 mm<sup>2</sup>



**KV.9032 MLK 1.2**


**type** male   
**vpe** 50 0.75-1.00 mm<sup>2</sup>



 **KOSTAL MLK 1,2, Verzilverd, 0,35 mm<sup>2</sup>, Steekhoogte 0,6 mm, Stekkerbreedte 1,2 mm, Basis materiaal CuBe/Sn (koper-beryllium/tin), Active contactzones 4, Temperatuurbereik tot 170°C, Stroombelastbaarheid bij 20°C 19A, Sbij 80°C 16A, Geen SVHC, Contact kracht 60 N, Aantal steekcycli 50**



**KV.9033 MLK 1.2**

**type** male   
**vpe** 50 0.35 mm<sup>2</sup>



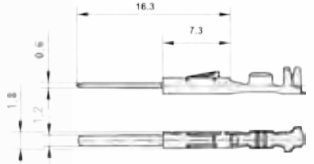
**KV.9034 MLK 1.2**

**type** male   
**vpe** 50 0.50-0.75 mm<sup>2</sup>



**KV.9035 MLK 1.2**

**type** male   
**vpe** 50 0.75-1.00 mm<sup>2</sup>



 **KOSTAL MLK 1,2 ELA-U, Vertint, Doorsnede vanaf 0,1 mm<sup>2</sup> tot 0,25 mm<sup>2</sup>, Steekhoogte 0,6 mm, Stekkerbreedte 1,2 mm, Enkel in combinatie met ELA, Basis materiaal CuBe/Sn (koper-beryllium/tin), Active contactzones 4, Temperatuurbereik tot 150°C, Stroombelastbaarheid bij 20°C 17A, bij 80°C 14A, Aantal steekcycli 20, Contact kracht 60 N**




**KV.9036 MLK 1.2 ELA-U**

**type** male   
**vpe** 50 0.10-0.25 mm<sup>2</sup>




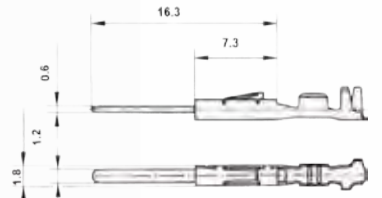
**KV.9037 MLK 1.2 ELA-U**

**type** male   
**vpe** 50 0.35-0.50 mm<sup>2</sup>




**KV.9038 MLK 1.2 ELA-U**

**type** male   
**vpe** 50 0.50-0.75 mm<sup>2</sup>



**KV.9039 MLK 1.2 ELA-U**

**type** male   
**vpe** 50 0.75-1.00 mm<sup>2</sup>






**KOSTAL MLK 1,2 ELA-U, Verzilverd, Doorsnede vanaf 0,17mm<sup>2</sup> tot 0,25mm<sup>2</sup>, Steekhoogte 0,6mm, Stekkerbreedte 1,2 mm, Enkel in combinatie met ELA, Basis materiaal CuBe/Sn (koper-beryllium/tin), Active contactzones 4, Temperatuurbereik tot 170 °C, Stroombelastbaarheid bij 20°C 19A, bij 80°C 16A, Geen SVHC, Contact kracht 60 N, Aantal steekcycli 50**



**KV.9040 MLK 1.2 ELA-U**

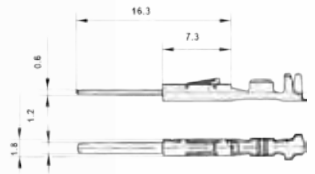
**type** male   
**vpe** 50 0.10-0.25 mm<sup>2</sup>

**KV.9041 MLK 1.2 ELA-U**


**type** male   
**vpe** 50 0.35-0.50 mm<sup>2</sup>

**KV.9042 MLK 1.2 ELA-U**

**type** male   
**vpe** 50 0.50-0.75 mm<sup>2</sup>



**KV.9043 MLK 1.2 ELA-U**


**type** male   
**vpe** 50 0.75-1.00 mm<sup>2</sup>




**KOSTAL SLK 2,8, Basis materiaal CuSn/Sn (koper-tin/tin), Lamellenmateriaal CuSn/Sn (koper-tin/tin), Active contactzones 8, Steekhoogte 0,8 mm, Vertint, Doorsnede vanaf 0,22mm<sup>2</sup> tot 0,35 mm<sup>2</sup>, Stekkerbreedte 2,8 mm, Temperatuurbereik tot 150°C, Stroombelastbaarheid bij 20°C 45A, Stroombelastbaarheid bij 80°C 33A, Geen SVHC, Aantal steekcycli 20, Contact kracht 80 N**



**KV.9044 SLK 2.8**

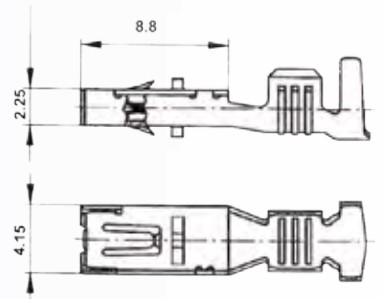
**type** female   
**vpe** 50 0.22-0.35mm<sup>2</sup>

**KV.9045 SLK 2.8**


**type** female   
**vpe** 50 0.5-0.75 mm<sup>2</sup>

**KV.9046 SLK 2.8**

**type** female   
**vpe** 50 1.50-2.50mm<sup>2</sup>



**KV.9047 SLK 2.8**

**type** female   
**vpe** 50 4 mm<sup>2</sup>




**KOSTAL SLK 2,8 ELA, Basis materiaal CuSn/Sn (koper-tin/tin), Lamellenmateriaal CuSn/Sn (koper-tin/tin), Active contactzones 8, Steekhoogte 0,8 mm, Vertint, Doorsnede vanaf 0,22 mm<sup>2</sup> tot 0,35 mm<sup>2</sup>, Stekkerbreedte 2,8 mm, Temperatuurbereik tot 150°C, Enkel in combinatie met ELA, Stroombelastbaarheid bij 20°C 45A, bij 80°C 33 A, Geen SVHC, Aantal steekcycli 20, Contact kracht 80 N**



**KV.9048 SLK 2.8 ELA**

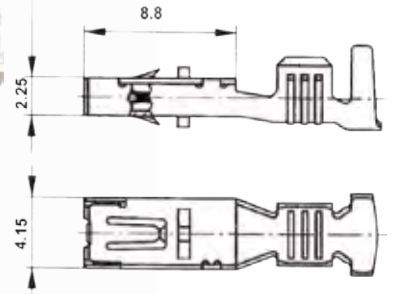
**type** female   
**vpe** 50 0.22-0.35mm<sup>2</sup>

**KV.303 SLK 2.8 ELA**


**type** female   
**vpe** 50 0.5-0.75 mm<sup>2</sup>

**KV.304 SLK 2.8 ELA**

**type** female   
**vpe** 50 1.50-2.50mm<sup>2</sup>







**KV.9051 SLK 2.8 ELA**

**type** female   
**vpe** 50 4 mm<sup>2</sup>





 **KOSTAL SLK 2,8**, Basis materiaal CuSn/Sn (koper-tin/tin), Lamellenmateriaal CuBe/Ag (koper-CuBe/Ag (Kupfer-beryllium)/zilver), Active contactzones 8, Steekhoogte 0,8 mm, Verzilverd, Doorsnede vanaf 0,22 mm<sup>2</sup> tot 0,35 mm<sup>2</sup>, Stekkerbreedte 2,8 mm, Temperatuurbereik tot 170 °C, Stroombelastbaarheid bij 20°C 48A, bij 80°C 37 A, Geen SVHC, Contact kracht 80 N, Aantal steekcycli 50



<b>KV.9053 SLK 2.8</b>	<b>KV.9054 SLK 2.8</b>	<b>KV.9055 SLK 2.8</b>
<b>type</b> female 	<b>type</b> female 	<b>type</b> female 
<b>vpe</b> 50 0.22-0.35mm <sup>2</sup>	<b>vpe</b> 50 0.5-0.75 mm <sup>2</sup>	<b>vpe</b> 50 1.50-2.50mm <sup>2</sup>

<b>KV.9056 SLK 2.8</b>
<b>type</b> female 
<b>vpe</b> 50 4 mm <sup>2</sup>

 **KOSTAL SLK 2,8 ELA**, Basis materiaal CuSn/Sn (koper-tin/tin), Lamellenmateriaal CuBe/Ag (koper-CuBe/Ag (Kupfer-beryllium)/zilver), Active contactzones 8, Steekhoogte 0,8 mm, Verzilverd, Doorsnede vanaf 0,22mm<sup>2</sup> tot 0,35mm<sup>2</sup>, Stekkerbreedte 2,8mm, Temperatuurbereik tot 170°C, Enkel in combinatie met ELA, Stroombelastbaarheid bij 20°C 48A, bij 80°C 37A, Geen SVHC Contact kracht 80 N, Aantal steekcycli 50




<b>KV.9057 SLK 2.8 ELA</b>	<b>KV.9058 SLK 2.8 ELA</b>	<b>KV.9059 SLK 2.8 ELA</b>
<b>type</b> female 	<b>type</b> female 	<b>type</b> female 
<b>vpe</b> 50 0.22-0.35mm <sup>2</sup>	<b>vpe</b> 50 0.5-0.75 mm <sup>2</sup>	<b>vpe</b> 50 1.00mm <sup>2</sup>




  

<b>KV.9060 SLK 2.8 ELA</b>	<b>KV.9061 SLK 2.8 ELA</b>
<b>type</b> female 	<b>type</b> female 
<b>vpe</b> 50 1.50-2.50mm <sup>2</sup>	<b>vpe</b> 50 4 mm <sup>2</sup>




 **KOSTAL SLK 2,8**, Steekhoogte 0,8 mm, Vertint, Doorsnede vanaf 0,22 mm<sup>2</sup> tot 0,35 mm<sup>2</sup>, Stekkerbreedte 2,8 mm, Basis materiaal CuSn/Sn (koper-tin/tin), Temperatuurbereik tot 150°C, Stroombelastbaarheid bij 20°C 45A, bij 80°C 33A, Geen SVHC , Aantal steekcycli 20, Contact kracht 80N



<b>KV.9062 SLK 2.8</b>	<b>KV.9063 SLK 2.8</b>	<b>KV.9064 SLK 2.8</b>
<b>type</b> male 	<b>type</b> male 	<b>type</b> male 
<b>vpe</b> 50 0.22-0.35mm <sup>2</sup>	<b>vpe</b> 50 0.5-0.75 mm <sup>2</sup>	<b>vpe</b> 50 1.50-2.50mm <sup>2</sup>







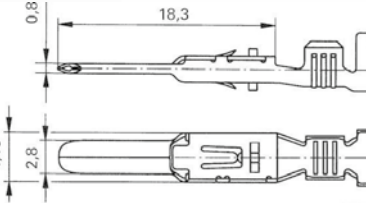



  

<b>KV.9065 SLK 2.8</b>
<b>type</b> male 
<b>vpe</b> 50 4 mm <sup>2</sup>







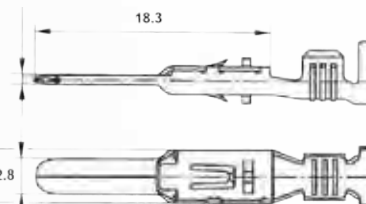




**KOSTAL SLK 2,8 ELA, Steekhoogte 0,8 mm, Vertint, Doorsnede vanaf 0,22 mm<sup>2</sup> tot 0,35 mm<sup>2</sup>, Stekkerbreedte 2,8mm, Enkel in combinatie met ELA, Basis materiaal CuSn/Sn (koper-tin/tin), Temperatuurbereik tot 150°C, Stroombelastbaarheid bij 20°C 45A, bij 80°C 33 A, Geen SVHC , Aantal steekcycli 20, Contact kracht 80N**

 <b>KV.9066 SLK 2.8</b> type male  vpe 50 0.22-0.35mm <sup>2</sup>	 <b>KV.320 SLK 2.8</b> type male  vpe 50 0.5-0.75 mm <sup>2</sup>	 <b>KV.321 SLK 2.8</b> type male  vpe 50 1.50-2.50mm <sup>2</sup>	
 <b>KV.9069 SLK 2.8</b> type male  vpe 50 4 mm <sup>2</sup>			






**KOSTAL SLK 2,8, Steekhoogte 0,8 mm, Verzilverd, Doorsnede vanaf 0,22 mm<sup>2</sup> tot 0,35 mm<sup>2</sup>, Stekkerbreedte 2,8mm, Basis materiaal CuSn/Sn (koper-tin/tin), Temperatuurbereik tot 170°C, Stroombelastbaarheid bij 20°C 48A, bij 80°C 37A, Geen SVHC, Aantal steekcycli 50, Contact kracht 80 N**

 <b>KV.9070 SLK 2.8</b> type male  vpe 50 0.22-0.35mm <sup>2</sup>	 <b>KV.9071 SLK 2.8</b> type male  vpe 50 0.5-0.75 mm <sup>2</sup>	 <b>KV.9072 SLK 2.8</b> type male  vpe 50 1.50-2.50mm <sup>2</sup>	
 <b>KV.9073 SLK 2.8</b> type male  vpe 50 4 mm <sup>2</sup>			


**KOSTAL SLK 2,8 ELA, Steekhoogte 0,8 mm, Verzilverd, Doorsnede vanaf 0,22 mm<sup>2</sup> tot 0,35 mm<sup>2</sup>, Stekkerbreedte 2,8mm, Enkel in combinatie met ELA, Basis materiaal CuSn/Sn (koper-tin/tin), Temperatuurbereik tot 170°C, Stroombelastbaarheid bij 20°C 48A, bij 80°C 37A, Geen SVH Aantal steekcycli 50, Contact kracht 80 N**

 <b>KV.9074 SLK 2.8</b> type male  vpe 50 0.22-0.35mm <sup>2</sup>	 <b>KV.9075 SLK 2.8</b> type male  vpe 50 0.5-0.75 mm <sup>2</sup>	 <b>KV.9076 SLK 2.8</b> type male  vpe 50 1.50-2.50mm <sup>2</sup>	
 <b>KV.9077 SLK 2.8</b> type male  vpe 50 4 mm <sup>2</sup>			



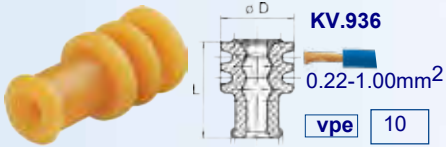
-  **Kostal afdichtingen en blinde stoppen**
-  **Kostal open / closed seals**
-  **Kostal Abdichtungen / Blindstopfen**
-  **Kostal capuchons / arrets**

 -40°C tot +170°C

Mat: MVQ (Silicoon-Rubber)

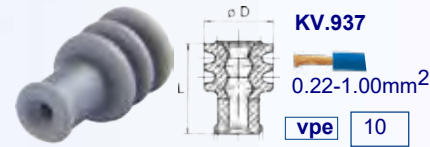
Voor MLK 1.2 - Geel

Ø van 3.9 mm tot 4.1 mm Lengte 8 mm,



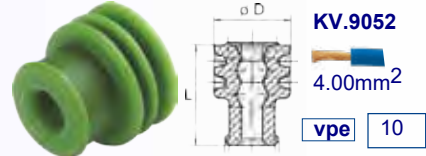
Voor MLK 1.5 - Grijs

Ø van 4.4 mm tot 4.7 mm Lengte 8 mm,



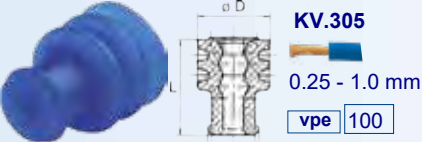
Voor SLK 2.8 / AMP Tyco ABS - Groen

Ø van 8.8 mm tot 8.9 mm Lengte 8 mm,



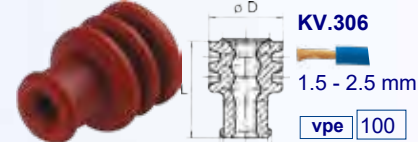
Voor LKS 1.5 / SLK 2.8 - Blauw

Ø van 5.5 mm tot 5.9 mm Lengte 7.5 mm,



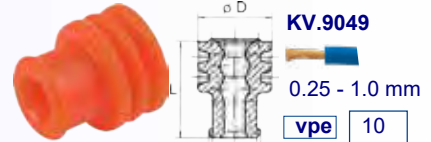
Voor LKS 1.5 / SLK 2.8 - Bruin





Ø van 5.6 mm tot 5.9 mm Lengte 7.5 mm,



Voor ELB 4 - Wit

Ø van 4.4 mm tot 4.7 mm Lengte 7.5 mm,



-  **Connectoren voor multi-connectorhuizen**
-  **Connectors for multi-connector housings**
-  **Flachstecker / Hülsen für Flachsteckgehäuse**
-  **Fiche / contacts à sertir pour Boîtiers et connecteurs**

**TYCO - AMP**



**1241374-1 MCP 1.5K**  
0.50 - 1.0 mm  
vpe 100



**1241381-1 MCP 1.5K**  
0.50 - 1.0 mm  
vpe 100



**1-968873-1 MCP 2.8**  
0.5-1.25mm<sup>2</sup>  
vpe 100



**1241404-1 MCP 4.8/6.3**  
1.5-2.5 mm<sup>2</sup>  
vpe 50



**1241608-1 MQS FEM 1.5 CB**  
0.5-1.25mm<sup>2</sup>  
vpe 100



**1123343-1 0.25 REC. MULTIL. F Tin**  
0.2-1.00mm<sup>2</sup>  
vpe 100



**1123343-2 0.25 REC. MULTIL. F Gold**  
0.2-1.00mm<sup>2</sup>  
vpe 100



**1452503-1 Serie 1.2mm**  
type female  
vpe 100 0.5-0.75mm<sup>2</sup>



**175265-1 Multilock 040**  
type female  
vpe 100 0.37-0.88mm<sup>2</sup>







**175197-2 Multilock 040**  
type female  
vpe 100 0.5-1.40mm<sup>2</sup>



**1418761-1 MCON 1.2MM**  
type male  
vpe 100 0.50-0.75mm<sup>2</sup>



**962995 BUSCONTACT 1.5MM**  
type female  
vpe 100 0.50-1.00mm<sup>2</sup>

-  Multi-connector huizen en connectoren
-  Multi-connector housings and connectors
-  Flachsteckgehäuse, stecker/ hülzen
-  Boîtiers et connecteurs pour contacts à sertir

**KOSTAL PLK**  
 14,5 10 - 15 amp.  
 0.5 - 2.1 mm



**KV.866**  
 2 - polig stekerhuls PLK 14.5  
 Code A vpe 1



**KV.867**  
 2 - polig stekerhuls PLK 14.5  
 Code B vpe 1



**KV.868**  
 3 - polig stekerhuls PLK 14.5  
 Code A vpe 1



**KV.869**  
 3 - polig stekerhuls PLK 14.5  
 Code B vpe 1

**KV.872 Krimpverbinder PLK 14.5**

 12 - 16 mm<sup>2</sup> vpe 10



**KV.875**  
 Afdichting  
 16 mm<sup>2</sup>  
vpe 20

**KV.873 Krimpverbinder PLK 14.5**

 16 - 25 mm<sup>2</sup> vpe 10



**KV.876**  
 Afdichting  
 25 mm<sup>2</sup>  
vpe 20

**KV.874 Krimpverbinder PLK 14.5**

 25 - 35 mm<sup>2</sup> vpe 10



**KV.877**  
 Afdichting  
 35 mm<sup>2</sup>  
vpe 20



**KV.878**  
 Afstandshuls  
 16 mm<sup>2</sup>  
vpe 10



**KV.879**  
 Afstandshuls  
 25 mm<sup>2</sup>  
vpe 10



**KV.880**  
 Afstandshuls  
 35 mm<sup>2</sup>  
vpe 10



**KV.881**  
 Kap  
 16 mm<sup>2</sup>  
vpe 50



**KV.882**  
 Kap  
 25 mm<sup>2</sup>  
vpe 50




**KV.883**  
 Kap  
 35 mm<sup>2</sup>  
vpe 50



**KV.884**  
 Span-/Klemhuls  
 16 - 35 mm<sup>2</sup>  
vpe 20



**KV.885**  
 MLK 1.2 1.2x23.9  
 0.5 - 0.75 mm<sup>2</sup> vpe 50



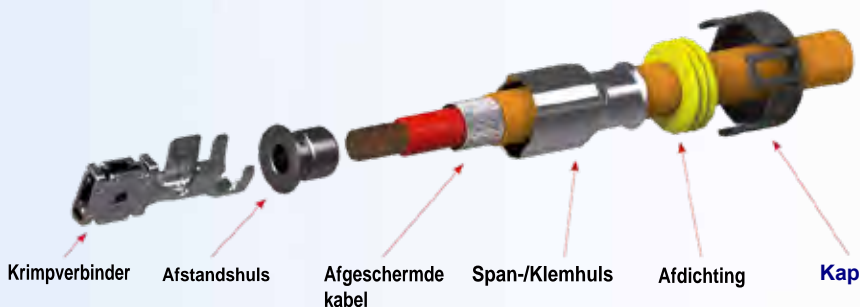
**KV.870**  
 2 - polig stekerhuls PLK 14.5  
 Code A vpe 1




**KV.871**  
 2 - polig stekerhuls PLK 14.5  
 Code B vpe 1



**KV.886**  
 bevestiging stekerhuls  
vpe 1



-  IP 67 connectoren / connectorhuizen
-  IP 67 connectors / housings
-  IP 67 Rundsteckverbindungen / gehäuse
-  IP 67 Connecteur / porte-clips

cpl. set, incl. contacts/rings/nut

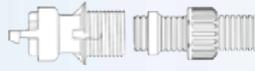
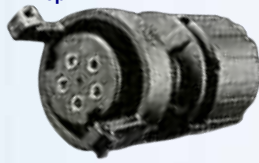
5p - M



**KV.1000** ILCM05

vpe 1

5p - F



**KV.1002** ILCF05

vpe 1

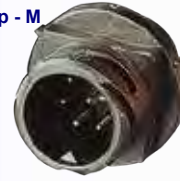
8p - M



**KV.1004** MPJ08-1

vpe 1

8p - M



**KV.1005** MPJ08-2

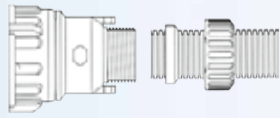
vpe 1

8p - M



**KV.1006** MPJ 08-3

vpe 1



**KV.1007** MSB08-1

vpe 1

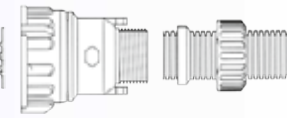
8p - M



**KV.1008** MSB08-2

vpe 1

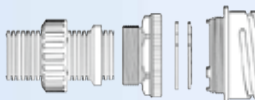
8p - F



**KV.1009** MPB08-S

vpe 1

16p - M



**KV.1016** MPM16

vpe 1



**KV.1017** MPF16

vpe 1

21p - M



**KV.1022** MPM21

vpe 1

21p - F



**KV.1023** MPF21

vpe 1

28p - M



**KV.1028** MPM37

vpe 1



**KV.1029** MPF37

vpe 1



**KV.998** MPP16 - 1.6 Ø mm

vpe 100



**KV.999** MPS16 - 1.6 Ø mm

vpe 100







**KV.1014** MPP35 - 3.5 Ø mm

vpe 100



**KV.1015** MPS35 - 3.5 Ø mm

vpe 100

-  Kabelverbinders voor multiconnectoren
-  Terminals for multiconnectors
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**KV.760 BMW-VW-FORD**

 0.5 - 1.0 mm<sup>2</sup>

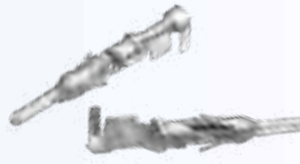
vpe 50



**KV.761 BMW-VW-FORD**

 0.5 - 1.0 mm<sup>2</sup>

vpe 50



**KV.764 BMW-VW-FORD**

 0.75 - 1.5 mm<sup>2</sup>

vpe 100



**KV.765 BMW-VW-FORD**

 0.75 - 1.0 mm<sup>2</sup>

vpe 100



**KV.766 BMW-VW-FORD**

 1.0 - 2.5 mm<sup>2</sup>

vpe 100



**KV.767 BMW-VW-FORD**

 1.0 - 2.5 mm<sup>2</sup>

vpe 100



**KV.770 BMW-VW-FORD**

 0.5 - 1.5 mm<sup>2</sup>

vpe 100



**163307-2 BMW**

 0.5 - 1.0 mm<sup>2</sup>

vpe 50



**KV.772 VW / RENAULT / MFK**

 0.5 - 1.0 mm<sup>2</sup>

vpe 100



**KV.788 VW / RENAULT / MFK**

 0.2 - 0.35 mm<sup>2</sup>

vpe 100



**KV.780 VW-FIAT**

 0.35 - 1.0 mm<sup>2</sup>

vpe 100




**KV.795 VW-RENAULT-FIAT**

 0.5 - 1.0 mm<sup>2</sup>

vpe 50



**KV.781 BMW-VW-MERCEDES-FORD**

 0.5 - 1.5 mm<sup>2</sup>

vpe 100



**KV.782 BMW-VW-MERCEDES-FORD**

 1.5 - 1.5 mm<sup>2</sup>

vpe 100



**KV.102 - BMW**

 0.5 - 1.5 mm<sup>2</sup>

vpe 50



**KV.796 VW-DIN 46343-RADIO**

 0.5 - 1.0 mm<sup>2</sup>

vpe 50



**KV.797 FIAT 2.7 x 1.6**

 1.0 - 1.5 mm<sup>2</sup>

vpe 100



**KV.798 FIAT 0.7 x 1.7 x 14.3 x 21**

 1.0 - 1.5 mm<sup>2</sup>

vpe 100




**KV.784 7x8.4x19.1**

 0.5 - 1.5 mm<sup>2</sup>

vpe 100



**KV.771**

 0.5 - 1.0 mm<sup>2</sup>

vpe 100




**KV.100 - AMP Tyco Type III+ gold plated**

 0.75 - 1.5 mm<sup>2</sup>

vpe 25




**KV.107 - AMP Tyco Type III+ gold plated**

 0.75 - 1.5 mm<sup>2</sup>





vpe 25



**KV.762**

 0.5 - 1.0 mm<sup>2</sup>

vpe 50

-  Kabelverbinders voor multiconnectoren
-  Terminals for multiconnectors
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**KV.768**  
1.0 - 2.5 mm<sup>2</sup>  
vpe 100



**KV.769**  
1.5 - 2.5 mm<sup>2</sup>  
vpe 100



**KV.773 MFS - PLUS 0.6 x 1.5**  
0.5 - 1.0 mm<sup>2</sup>  
vpe 100



**KV.774 FS - PLUS 4.8 x 0.8 mm**  
0.5 - 1.0 mm<sup>2</sup>  
vpe 100



**KV.775 FS - PLUS 4.8 x 0.8 mm**  
1.5 - 2.5 mm<sup>2</sup>  
vpe 100



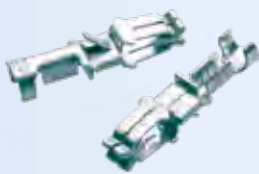
**KV.776 MDK 4.8 x 0.8 mm**  
0.5 - 1.0 mm<sup>2</sup>  
vpe 100



**KV.777 MDK 4.8 x 0.8 mm**  
1.5 - 2.5 mm<sup>2</sup>  
vpe 100



**KV.778 MDK-1 4.8 x 0.8 mm**  
0.10- 0.25 mm<sup>2</sup>  
vpe 100



**KV.779 MDK-1 4.8 x 0.8 mm**  
0.3- 0.6 mm<sup>2</sup>  
vpe 100



**KV.789 MFK - PLUS 0.6x1.5**  
0.2 - 0.35 mm<sup>2</sup>  
vpe 100



**KV.790 MFK - PLUS 0.6x1.5**  
0.5 - 1.0 mm<sup>2</sup>  
vpe 100



**KV.763**  
0.5 - 1.0 mm<sup>2</sup>  
vpe 100



**929968-1 RK 1.5**  
1.0 - 2.5 mm<sup>2</sup>  
vpe 100



**929975-1 RK 1.5**  
1.0 - 2.5 mm<sup>2</sup>  
vpe 100



**929968-1 RK 2.5**  
1.0 - 2.5 mm<sup>2</sup>  
vpe 100



**929975-1 RK 2.5**  
1.0 - 2.5 mm<sup>2</sup>  
vpe 100



**965907-1 MQS F SWS**  
0.5- 0.75 mm<sup>2</sup>  
vpe 100



**963726-1 MQS F**  
0.5- 0.75 mm<sup>2</sup>  
vpe 100



**KV.800 1.6x14.5x20.5**  
0.5 - 1.5 mm<sup>2</sup>  
vpe 100



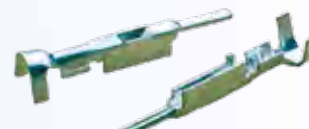
**KV.801 4 x 20.9**  
0.5 - 2.5 mm<sup>2</sup>  
vpe 100



**KV.794 3x19x27**  
0.5 - 1.0 mm<sup>2</sup>  
vpe 100



**KV.791 2.15x9.4x17.8**  
0.3- 0.5 mm<sup>2</sup>  
vpe 100



**KV.792 1.5x16.3x27.3**  
0.5 - 1.0 mm<sup>2</sup>  
vpe 50



**KV.793 1.5x6.3x16.4**  
0.5 - 1.0 mm<sup>2</sup>  
vpe 50



Kabelverbinders voor multiconnectoren

Terminals for multiconnectors

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Cosse non-isolée de multiconnector



160668-2 2.8 x 0.5

0.5 - 1.0 mm<sup>2</sup>

vpe 100



KV.785 2.8 x 0.5

0.5 - 1.0 mm<sup>2</sup>

vpe 100



KV.786 2.8 x 0.8

0.5 - 1.0 mm<sup>2</sup>

vpe 100



KV.787 2.8 x 0.8

0.5 - 1.0 mm<sup>2</sup>

vpe 100



KV.802 3.1x12.5x20

0.5 - 1.5 mm<sup>2</sup>

vpe 100



KV.803 0.6x1.5x23

0.3 - 0.8 mm<sup>2</sup>

vpe 100



KV.804 2.1x2.5x19.2

0.3 - 0.8 mm<sup>2</sup>

vpe 100



KV.805 0.6x1.7x20.9

0.5 - 1.3 mm<sup>2</sup>

vpe 100



KV.806 0.6x1.8x23

0.3 - 0.8 mm<sup>2</sup>

vpe 100



KV.807 2.5x2.6x16.2

0.5 - 1.3 mm<sup>2</sup>

vpe 100



KV.808 2.7x2.7x18.1

0.3 - 0.5 mm<sup>2</sup>

vpe 100



KV.809 0.6x2.2x26.7

0.5 - 1.3 mm<sup>2</sup>

vpe 100



KV.810 0.6x2.2x26.2

0.85 - 1.25 mm<sup>2</sup>

vpe 100



KV.811 2.5x2.9x17.4

0.5 - 1.3 mm<sup>2</sup>

vpe 100



KV.812 1.8x3.0x11.5

0.3 - 1.0 mm<sup>2</sup>

vpe 100



KV.813 0.8x2.8x22.5

0.8 - 2.0 mm<sup>2</sup>

vpe 100



KV.814 0.8x2.8x24.3

0.3 - 1.3 mm<sup>2</sup>

vpe 100



KV.815 2.5x4.4x18.2

0.8 - 2.0 mm<sup>2</sup>

vpe 100



KV.816 2.5x4.4x18.2

0.8 - 2.0 mm<sup>2</sup>

vpe 100



KV.817 3.2x4.0x20.0

0.85 - 2.0 mm<sup>2</sup>

vpe 100



KV.818 0.6x3.0x27.8

0.8 - 1.3 mm<sup>2</sup>

vpe 100



KV.819 2.7x4.0x17.4

0.8 - 1.3 mm<sup>2</sup>

vpe 100



KV.820 0.6x3.0x26.4

0.8 - 1.3 mm<sup>2</sup>





vpe 100



KV.821 0.2.8x4.0x20.2

1.3 - 2.0 mm<sup>2</sup>

vpe 100

-  Kabelverbinders voor multiconnectoren
-  Terminals for multiconnectors
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**KV.822** 0.8x4.7x26.6

0.8 - 1.3 mm<sup>2</sup>

vpe 100



**KV.823** 0.8x4.7x26.6

1.3 - 2.0 mm<sup>2</sup>

vpe 100



**KV.824** 3.4x5.9x18.2

0.8 - 1.3 mm<sup>2</sup>

vpe 100



**KV.825** 3.4x5.9x18.2

1.3 - 2.0 mm<sup>2</sup>

vpe 100



**KV.826** 3.8x6.3x21.0

0.3 - 0.8 mm<sup>2</sup>

vpe 100



**KV.827** 0.8x6.0x24.5

0.3 - 0.8 mm<sup>2</sup>

vpe 100



**KV.828** 0.8x6.0x24.5

0.8 - 1.3 mm<sup>2</sup>

vpe 100



**KV.829** 0.8x6.0x24.5

3.3 - 2.0 mm<sup>2</sup>

vpe 100



**KV.830** 0.8x6.0x24.5

0.3 - 0.8 mm<sup>2</sup>

vpe 100



**KV.831** 0.8x6.0x24.5

0.8 - 1.3 mm<sup>2</sup>

vpe 100



**KV.832** 0.8x6.0x24.5

1.3 - 2.0 mm<sup>2</sup>

vpe 100



**KV.833** 0.8x6.0x24.5

0.5 - 0.8 mm<sup>2</sup>

vpe 100



**KV.834** 0.8x6.0x24.5

0.5 - 0.8 mm<sup>2</sup>

vpe 100



**KV.835** 0.8x6.0x24.5

0.5 - 0.8 mm<sup>2</sup>

vpe 100



**KV.836** 0.8x6.0x24.5

0.5 - 0.8 mm<sup>2</sup>

vpe 100



**KV.837** 0.8x6.35x26.6

0.5 - 0.8 mm<sup>2</sup>

vpe 100



**KV.838** 0.8x6.3x27.5

0.3 - 0.8 mm<sup>2</sup>

vpe 100



**KV.839** 0.8x6.3x27.5

0.8 - 1.3 mm<sup>2</sup>

vpe 100



**KV.841** 0.8x6.3x27.5

1.3 - 2.0 mm<sup>2</sup>

vpe 100



**KV.842** 0.8x6.3x27.5

0.3 - 0.8 mm<sup>2</sup>

vpe 100



**KV.843** 0.8x6.3x27.5

0.8 - 1.3 mm<sup>2</sup>

vpe 100



**KV.844** 0.8x6.3x27.5

1.3 - 2.0 mm<sup>2</sup>

vpe 100



**KV.845** 0.8x6.3x27.5

0.8 - 1.3 mm<sup>2</sup>





vpe 100



**KV.846** 0.8x6.3x27.5

0.8 - 1.3 mm<sup>2</sup>

vpe 100

-  Kabelverbinders voor multiconnectoren
-  Terminals for multiconnectors
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**KV.847 3.65x7.6x20.5**

0.8 - 1.3 mm<sup>2</sup>

vpe 100



**KV.848 3.65x7.6x20.5**

0.8 - 1.3 mm<sup>2</sup>

vpe 100



**KV.851 3.8x7.6x21.0**

0.3 - 0.0 mm<sup>2</sup>

vpe 100



**KV.852 0.8x6.3x28.3**

2.0 - 3.0 mm<sup>2</sup>

vpe 100



**KV.853 3.7x7.7x19.5**

0.3 - 0.8 mm<sup>2</sup>

vpe 100



**KV.854 3.7x7.7x19.5**

0.8 - 1.3 mm<sup>2</sup>

vpe 100



**KV.855 3.7x7.7x19.5**

1.3 - 2.0 mm<sup>2</sup>

vpe 100



**KV.856 3.7x7.7x19.5**

0.3 - 0.8 mm<sup>2</sup>

vpe 100



**KV.857 3.7x7.7x19.5**

0.8 - 1.3 mm<sup>2</sup>

vpe 100



**KV.858 3.7x7.7x19.5**

1.3 - 2.0 mm<sup>2</sup>

vpe 100



**KV.859 3.7x7.7x20.5**

2.0 - 3.0 mm<sup>2</sup>

vpe 100



**KV.860 3.1x8.9x17.5**

0.8 - 1.3 mm<sup>2</sup>

vpe 100



**KV.861 3.1x8.9x17.5**

0.8 - 1.3 mm<sup>2</sup>

vpe 100



**KV.862 2.36x23.0**

0.8 - 1.3 mm<sup>2</sup>

vpe 100



**KV.863 2.35x24.7**

0.8 - 1.3 mm<sup>2</sup>

vpe 100



**KV.864 3.2x3.8x19.0**

0.8 - 1.3 mm<sup>2</sup>

vpe 100



**KV.865 2.55x3.0x15.0**

0.24 - 0.5 mm<sup>2</sup>

vpe 100



**KV.887 6.8x2.9x16.0**

0.5 - 1.0 mm<sup>2</sup>

vpe 100



**KV.888 6.4x2.6x14.2**

0.5 - 1.5 mm<sup>2</sup>

vpe 100



**KV.891 1.5x0.8x20.55**

1.0 - 1.5 mm<sup>2</sup>

vpe 100



**KV.889 1.6x0.8x13.9**

0.75 - 1.25 mm<sup>2</sup>

vpe 100



**KV.890 1.6x0.8x13.9**

0.75 - 1.25 mm<sup>2</sup>

vpe 100



**KV.8099**

6.0 - 10.0mm<sup>2</sup>

vpe 5



**KV.8098**

2.5 - 6.0 mm<sup>2</sup>

vpe 10





**Kabelverbinders voor multiconnectoren**

**Terminals for multiconnectors**

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**Cosse non-isolée de multiconnector**



**KV.892 1.5x0.8x19.85**  
1.0 - 1.5 mm<sup>2</sup>

vpe 100



**KV.893 1.5x0.8x15.4**  
1.0 - 1.5 mm<sup>2</sup>

vpe 100



**KV.894 1.5x0.8x16.5**  
1.0 - 1.5 mm<sup>2</sup>

vpe 100



**KV.895 1.5x0.8x14.2**  
1.0 - 1.5 mm<sup>2</sup>

vpe 100



**KV.896 1.5x0.8x14.2**  
1.0 - 1.55 mm<sup>2</sup>

vpe 100



**KV.897 1.6x0.8x22.9**  
0.75 - 1.25 mm<sup>2</sup>

vpe 100



**KV.898 1.5x0.8x25.5**  
0.5 - 1.5 mm<sup>2</sup>

vpe 100



**KV.899 1.6x0.8x26.8**  
0.75 - 1.00 mm<sup>2</sup>

vpe 100



**KV.900 1.5x0.8x26.03**  
0.75 - 1.00 mm<sup>2</sup>

vpe 100



**KV.901 1.5x0.8x27.2**  
0.75 - 1.00 mm<sup>2</sup>

vpe 100



**KV.902 2.3x0.65x17.2**  
1.00 - 2.00 mm<sup>2</sup>

vpe 100



**KV.903 2.3x0.65x16.0**  
0.50 - 1.25 mm<sup>2</sup>

vpe 100



**KV.904 2.3x0.65x26.7**  
1.00 - 2.00 mm<sup>2</sup>

vpe 100



**KV.905 2.3x0.65x23.5**  
0.50 - 1.25 mm<sup>2</sup>

vpe 100



**KV.906 2.7x21.1**  
0.50 - 1.00 mm<sup>2</sup>

vpe 100



**KV.907 3.1x18.8**  
0.50 - 1.00 mm<sup>2</sup>

vpe 100



**KV.908 2.8x0.8x18.8**  
0.50 - 1.00 mm<sup>2</sup>

vpe 100



**KV.909 2.8x0.8x13.0**  
0.75 - 1.50 mm<sup>2</sup>

vpe 100



**KV.910 2.8x0.8x13.0**  
0.75 - 1.50 mm<sup>2</sup>

vpe 100



**KV.915 2.8x0.8x12.5**  
0.50 - 1.00 mm<sup>2</sup>

vpe 100



**KV.916 2.8x0.8x26.6**  
0.35 - 1.00 mm<sup>2</sup>

vpe 100



**KV.917 2.8x0.8x26.6**  
1.00 - 3.00 mm<sup>2</sup>

vpe 100







**KV.918 ø 1mmx17.0**  
0.3 - 0.9 mm<sup>2</sup>

vpe 100



**KV.919 ø 1mm x 17.0**  
0.3 - 0.9 mm<sup>2</sup>





vpe 100

 Kabelverbinders voor multiconnectoren  
 Terminals for multiconnectors  
 Stecker / Steckhulzen nicht isoliert für Multistecker  
 Cosse non-isolée de multiconconnector

Ø 2.1 mm

Ø 3.5 mm



 **Kabelverbinders niet geïsoleerd**  
 **Not insulated terminals**  
 **Kabelverbinder nicht isoliert**  
 **Cosse non-isolée**



**KV.097**  
4.8 x 0.8 mm  
0.75 - 1.5 mm<sup>2</sup> 100



**160304-4**  
4.8 x 0.8 mm  
0.75 - 2.5 mm<sup>2</sup> 50



**KV.293**  
6.3 x 0.8 mm  
0.5 - 1.5 mm<sup>2</sup> 100



**KV.586**  
6.3 x 0.8 mm  
0.75 - 1.5 mm<sup>2</sup> 50



**KV.115**  
Lamp connector  
0.5 - 1.0 mm<sup>2</sup> 100



**180429-2**  
F 6.3 x 0.8 mm H7 -  
1.0 - 2.5 mm<sup>2</sup> 50



**180422-2**  
F 6.3 x 0.8 mm H4 -  
1.0 - 2.5 mm<sup>2</sup> 50



**151791-2**  
F 9.5 x 1.2 mm -  
2.5 - 4.0 mm<sup>2</sup> 50



**KV.009**  
7.6 x 3.7 mm - L 24.8 -  
1.0 - 2.5 mm<sup>2</sup> 20



**KV.028**  
H 3.80 - L 24.0 -  
0.5 - 1.5 mm<sup>2</sup> 20



**KV.035**  
H 2.50 - L 16.0 -  
0.5 - 1.5 mm<sup>2</sup> 20



**KV.036**  
H 2.90 - L 19.2 -  
0.5 - 2.7 mm<sup>2</sup> 20



**KV.086**  
6.3 x 0.8 mm - L 19.2 -  
6.0 - 10.0 mm<sup>2</sup> 20



**KV.042**  
8.0 x 2.3 mm - L 24.8 -  
1.5 - 6.0 mm<sup>2</sup> 20



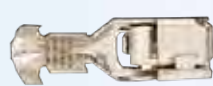
**KV.041**  
H 3.20 - L 24.2 -  
3.0 - 5.7 mm<sup>2</sup> 20



**KV.039**  
H 3.80 - L 18.0 -  
0.5 - 1.25 mm<sup>2</sup> 20



**KV.064**  
7.1 x 2.8 mm - L 19.0 -  
0.5 - 1.5 mm<sup>2</sup> 20



**KV.072**  
6.3 x 3.8 mm - L 21.0 -  
0.5 - 1.5 mm<sup>2</sup> 20



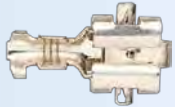
**KV.073**  
H 3.40 - L 18.8 -  
0.5 - 1.0 mm<sup>2</sup> 20



**KV.075**  
H 2.50 - L 16.0 -  
0.5 - 1.5 mm<sup>2</sup> 20



**KV.083**  
H 4.00 - L 22.3 -  
0.5 - 1.5 mm<sup>2</sup> 20



**KV.076**  
8.3 x 2.3 mm - L 18.9 -  
2.5 - 6.0 mm<sup>2</sup> 20



**KV.092**  
H 3.10 - L 18.8 -  
0.5 - 1.5 mm<sup>2</sup> 20



**KV.037**  
H 2.10 - L 13.5 -  
0.2 - 0.5 mm<sup>2</sup> 20



**KV.043**  
5.6 x 3.0 mm - L 20.5 -  
0.5 - 1.5 mm<sup>2</sup> 20



**KV.285**  
M4 - 6.3 x 0.8 mm  
100



**KV.286**  
M4 - 6.3 x 0.8 mm  
100



**KV.287**  
M4 - 6.3 x 0.8 mm  
100



**KV.288**  
M5 - 6.3 x 0.8 mm  
100



**KV.252**  
M4 - 1.0 - 2.5 mm<sup>2</sup>  
100



**KV.289**  
6.3 x 0.8 mm  
100



**KV.254**  
M4 - 0.5 - 2.5 mm<sup>2</sup>  
100



**KV.255**  
M5 - 0.5 - 2.5 mm<sup>2</sup>  
100



**KV.259**  
M6.5 - 0.5 - 2.5 mm<sup>2</sup>  
100



**KV.258**  
M8.5 - 0.5 - 2.5 mm<sup>2</sup>  
100



**KV.251**  
M8.5 - 4.0 - 6.0 mm<sup>2</sup>  
50



**KV.061**  
M5 - 1.0 - 2.5 mm<sup>2</sup>  
20



**KV.060**  
M6.5 - 1.0 - 2.5 mm<sup>2</sup>  
20



**KV.062**  
M6.5 - 1.5 - 2.5 mm<sup>2</sup>  
20



**KV.017**  
M8 - 1.5 - 2.5 mm<sup>2</sup>  
20



**KV.082**  
L 8.0 mm  
0.5 - 1.5 mm<sup>2</sup>  
20



**KV.081**  
L 15.0 mm -  
0.5 - 1.0 mm<sup>2</sup> 20



**KV.058**  
Flextube male -  
L 16.0 - Ø 3.2 mm 20



**KV.055**  
Flextube female -  
L 30.0 - Ø 4.8 mm 20







**KV.094**  
Ø 3.5 mm -  
0.5 - 1.5 mm<sup>2</sup> 20



**KV.053**  
Ø 3.5 mm -  
0.75 - 1.5 mm<sup>2</sup> 20



**KV.003**  
Ø 3.0 mm -  
0.5 - 1.5 mm<sup>2</sup> 20

-  Kabelverbinders niet geïsoleerd voor zekering houders
-  Not insulated terminals for fuse holders
-  Kabelverbinder nicht isoliert für Sicherungshalter
-  Cosse non-isolée pour porte fusible



**KV.920 KBS FUSE HOLDER - 8x35**

1.5-2.5mm<sup>2</sup>

vpe 20



**KV.921 KBS FUSE HOLDER - 8x35**

4.0-6.0mm<sup>2</sup>

vpe 20



**KV.922 KBS FUSE HOLDER - 8x35**

8.0-10.0mm<sup>2</sup>

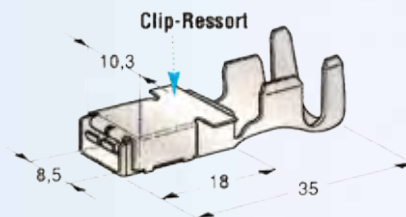
vpe 20



**KV.923 KBS FUSE HOLDER - 8x35**

16.0mm<sup>2</sup>





vpe 20



**KV.924 KBS FUSE HOLDER**

0.5-1.5mm<sup>2</sup>

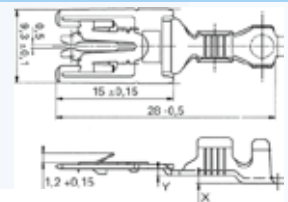
vpe 100

-  Kabelverbinders niet geïsoleerd
-  Not insulated terminals
-  Kabelverbinder nicht isoliert
-  Cosse non-isolée



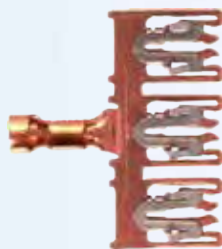
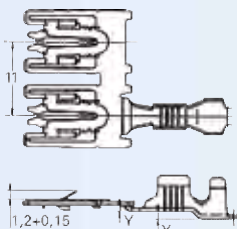
**KV.9200  
KBS Mercedes Benz 1-polig**

0.5-1.5mm<sup>2</sup> vpe 50



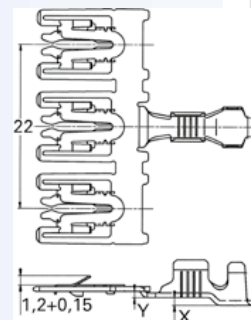
**KV.9201  
KBS Mercedes Benz 2polig**

0.5-1.5mm<sup>2</sup> vpe 50



**KV.9202  
KBS Mercedes Benz 2polig**

0.5-1.5mm<sup>2</sup> vpe 50

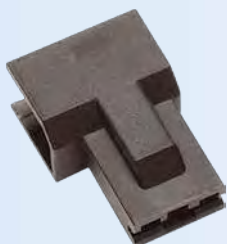


-  Koplampstekkers
-  Plugs, headlight
-  Stecker, Hauptscheinwerfer
-  Prise mâle, projecteur principaux

**H1 - P14.5S**

**H4 - P43T**

**H7 - PX26D**



**KV.296  
H1 koplampstekker**

vpe 50



**KV.294  
H1 / H7 terminal voor  
koplampstekker H1/H7**

0.5 - 1.5 mm<sup>2</sup>

vpe 50



**KV.298  
H7 koplampstekker**

vpe 50

08-66



**KV.297  
H4 koplampstekker**

vpe 50



**KV.290  
H4 terminal voor  
koplampstekker H4**

0.5 - 1.5 mm<sup>2</sup>

vpe 50



Koplampstekkers

Plugs, headlight

Stecker, Hauptscheinwerfer

Prise mâle, projecteur principaux

H1 - P14.5S

H4 - P43T

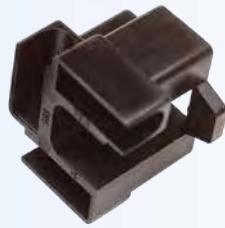
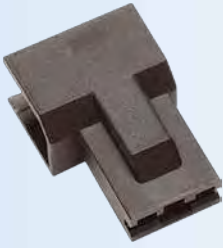
R2 - P45T

H7 - PX26D

HB4 - P22d

HB3 / H12 - P20d - PZ20d

HB8 / H11 / H27W/2 - PGJ19-1 - PGJ19-2 - PGJ13



**KV.600**  
Set H1 Koplampstekker:  
10 x KV.296  
10 x KV.294

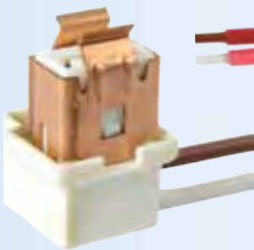
**KV.602**  
Set H4 Koplampstekker:  
10 x KV.297  
30 x KV.290

**KV.601**  
Set H7 Koplampstekker:  
10 x KV.298  
20 x KV.294

vpe 1

vpe 1

vpe 1



**KV.313**  
H1 koplampstekker 1 polig met  
kabel 1.0 mm<sup>2</sup> (40/60mm)

**KV.605**  
H4 + R2 koplampstekker 3 polig  
zonder kabel + drukveer

**KV.604**  
H7 koplampstekker 2 polig met  
kabel 1.0 mm<sup>2</sup> (100/120mm)

vpe 1

vpe 1

vpe 1



**KV.299**  
HB4 koplampstekker 2 polig  
P22d met kabel 2.5 mm<sup>2</sup> (175mm)

**KV.300**  
HB3-H12 koplampstekker 2 polig  
P20d - PZ20d  
met kabel 2.5 mm<sup>2</sup> (175mm)

**KV.301**  
HB8-H11-H27W/2 koplampstekker 2 polig  
PGJ19-1 - PGJ19-2 - PGJ13  
met kabel 2.5 mm<sup>2</sup> (175mm)

vpe 1

vpe 1

vpe 1



**KV.312**  
LAMPSTEKKER SET ACHTER 7  
polig incl. contacten en  
afdichtingsseals

vpe 1



# **mato**

# 9



Zekeringen - accessoires



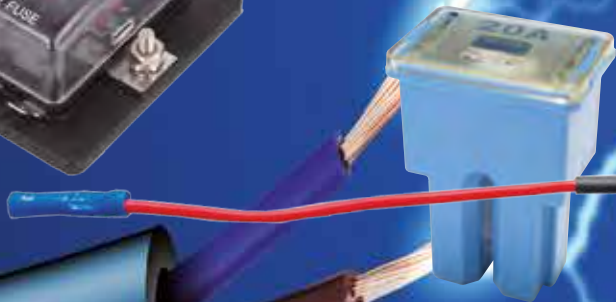
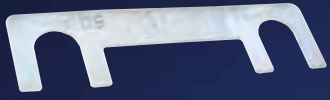
Fuses - accessories







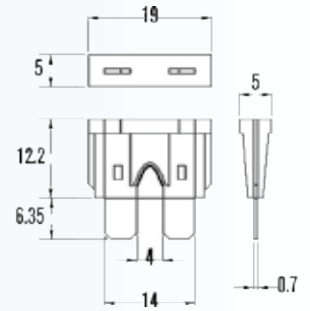
Sicherungen - Zubehör







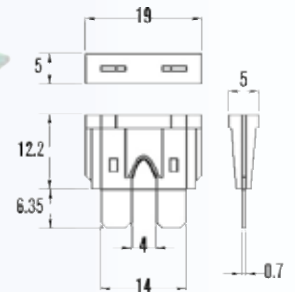
Fusible - accessoires







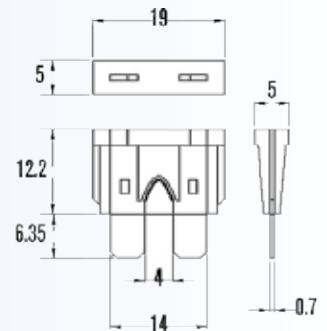
-  Zekeringen Norm blade fuse - 32V
-  Fuses DIN ISO 8820-3, JASO D612, SAE J1284
-  Sicherungen Heat resistant / Self extinguishing Dim.
-  Fusibles H19.5 x W19 x D5 mm







-  Zekeringen Norm blade fuse - 32V
-  Fuses DIN ISO 8820-3, JASO D612, SAE J1284
-  Sicherungen Heat resistant / Self extinguishing Dim.
-  Fusibles H19.5 x W19 x D5 mm







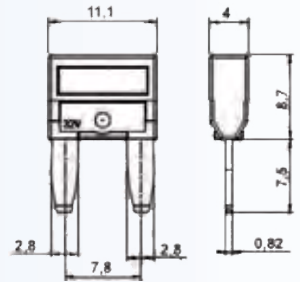
-  Zekeringen LED Norm blade fuse - 32V
-  Fuses DIN 72581-3
-  Sicherungen Heat resistant / Self extinguishing
-  Fusibles Dim. H19.5 x W19 x D5 mm







-  Zekeringen Closed blade fuse - 80V - 19mm
-  Fuses DIN 1787 gal sn 4 - my UL 94 MO -
-  Sicherungen Heat resistant / Self extinguishing
-  Fusibles Dim. H19.5 x W19 x D5 mm







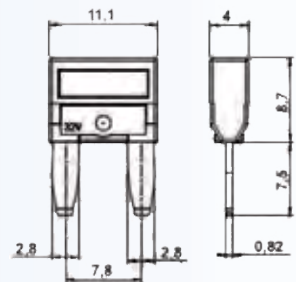
-  Zekeringen Mini blade fuse - 32V
-  Fuses DIN ISO 8820-3, JASO D612, SAE J1284
-  Sicherungen Heat resistant / Self extinguishing Dim.
-  Fusibles H16.2 x W11 x D2.8 mm







-  Zekeringen Mini blade fuse - 32V
-  Fuses DIN ISO 8820-3, JASO D612, SAE J1284
-  Sicherungen Heat resistant / Self extinguishing Dim.
-  Fusibles H16.2 x W11 x D2.8 mm

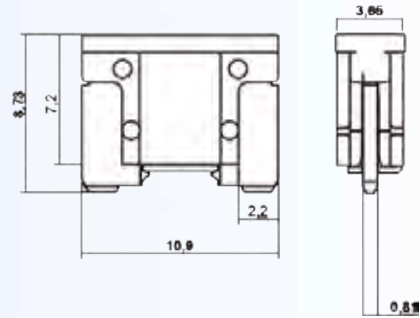






-  Zekeringen LED Mini blade fuse - 32V
-  Fuses Heat resistant / Self extinguishing
-  Sicherungen Dim. H16.2 x W11 x D4 mm
-  Fusibles

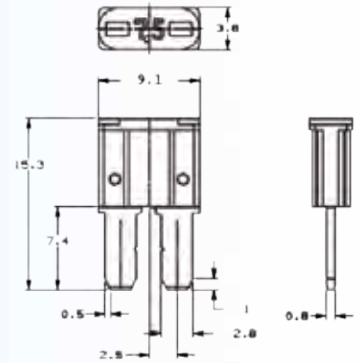




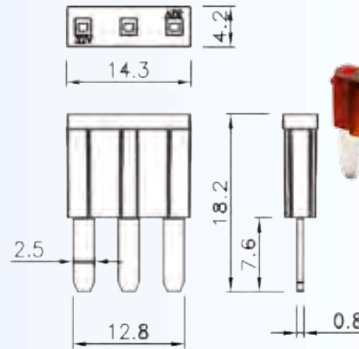
-  Zekeringen Micro blade fuse FLP - 32V
-  Fuses JASO D612
-  Sicherungen Heat resistant / Self extinguishing
-  Fusibles Dim. H8.7 x W11 mm







-  Zekeringen Micro 02 blade fuse - 32V
-  Fuses ISO 8820
-  Sicherungen Heat resistant / Self extinguishing
-  Fusibles Dim. H15.3 x W9.1 x D2.8 mm







-  Zekeringen Micro 03 blade fuse - 32V
-  Fuses ISO 8820
-  Sicherungen Heat resistant / Self extinguishing
-  Fusibles Dim. H15.3 x W14.3 x D2.8 mm







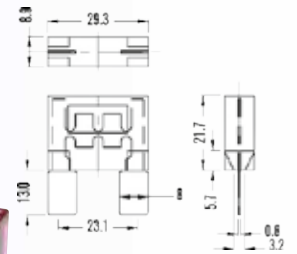
-  Zekeringen Multi blade fuse - 32V
-  Fuses Heat resistant / Self extinguishing
-  Sicherungen Dim. H22.9 x W24.3 x D4 mm
-  Fusibles







-  Zekeringen Multi6 Mercedes blade fuse - 32V
-  Fuses Heat resistant / Self extinguishing
-  Sicherungen Dim. H22.9 x W24.3 x D4 mm
-  Fusibles



-  Zekeringen **Maxi blade fuse - 32V**
-  Fuses **DIN 72581-3**
-  Sicherungen **Heat resistant / Self extinguishing**
-  Fusibles **Dim. H34 x W29.2 x D9 mm**







FU.9020 20A (10)    FU.9030 30A (10)    FU.9040 40A (10)    FU.9050 50A (10)    FU.9060 60A (10)    FU.9070 70A (10)    FU.9080 80A (10)    FU.90100 100A (10)

-  Zekeringen **LED Maxi blade fuse - 32V**
-  Fuses **Heat resistant / Self extinguishing**
-  Sicherungen **Dim. H34 x W29.2 x D9 mm**
-  Fusibles

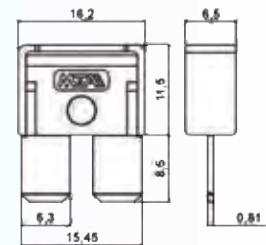






FU.9020LED 20A (10)    FU.9030LED 30A (10)    FU.9040LED 40A (10)    FU.9050LED 50A (10)    FU.9056LED 60A (10)    FU.9070LED 70A (10)    FU.9080LED 80A (10)    FU.90100LED 100A (10)

-  Zekeringen **Maxi Compact blade fuse - 32V**
-  Fuses **DIN 72581-3**
-  Sicherungen **Heat resistant / Self extinguishing**
-  Fusibles **Dim. H20 x W16.2 x D6.5 mm**



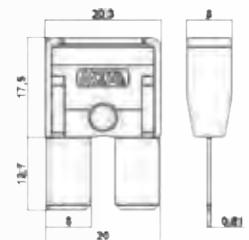
FU.9025MC 25A (5)    FU.9030MC 30A (5)    FU.9035MC 35A (5)    FU.9040MC 40A (5)    FU.9050MC 50A (5)    FU.9060MC 60A (5)



-  Zekeringen **Maxi Compact M8 blade fuse - 32V**
-  Fuses **DIN 72581-3**
-  Sicherungen **Heat resistant / Self extinguishing**
-  Fusibles **Dim. H20 x W16.2 x D6.5 mm**

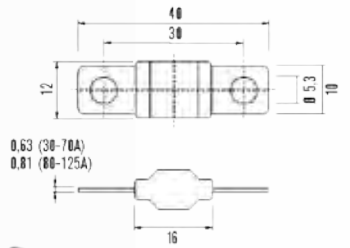


FU.9025MC8 25A (5)    FU.9030MC8 30A (5)    FU.9035MC8 35A (5)    FU.9040MC8 40A (5)    FU.9050MC8 50A (5)    FU.9060MC8 60A (5)    FU.9070MC8 70A (5)    FU.9080MC8 80A (5)



-  Zekeringen
-  Fuses
-  Sicherungen
-  Fusibles

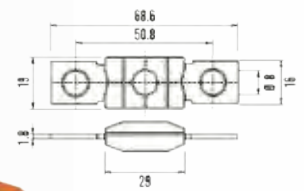
**Midi blade fuse - 32V**  
 Heat resistant / Self extinguishing  
 Dim. H8 x W41.5 x D12 mm



- |  |   |   |   |  |   |
|--|---|---|---|--|---|
|  |  |  |  |  |   |
| FU.MI30 - 30A (5)  | FU.MI40 - 40A (5)   | FU.MI50 - 50A (5)   | FU.MI60 - 60A (5)   | FU.MI70 - 70A (5)  |   |
|  |  |  |  |  |  |
| FU.MI80 - 80A (5)  | FU.MI100 - 100A (5)   | FU.MI125 - 125A (5)   | FU.MI150 - 150A (5)   | FU.MI175 - 175A (5)  | FU.MI200 - 200A (5)   |

-  Zekeringen
-  Fuses
-  Sicherungen
-  Fusibles

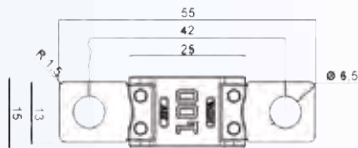
**Mega blade fuse - 32V**  
 Heat resistant / Self extinguishing  
 Dim. H9 x W67 x D19 mm



- |  |   |   |   |  |   |   |
|--|---|---|---|--|---|---|
|  |  |  |  |  |  |   |
| FU.ME040 - 40A (5)   | FU.ME060 - 60A (5)  | FU.ME80 - 80A (5)   | FU.ME100 - 100A (5)   | FU.ME125 - 125A (5)  | FU.ME150 - 150A (5)   |   |
|  |  |  |  |  |  |  |
| FU.ME175 - 175A (5)  | FU.ME200 - 200A (5)   | FU.ME225 - 225A (5)   | FU.ME250 - 250A (5)   | FU.ME300 - 300A (5)  | FU.ME400 - 400A (5)   | FU.ME500 - 500A (5)   |

-  Zekeringen
-  Fuses
-  Sicherungen
-  Fusibles

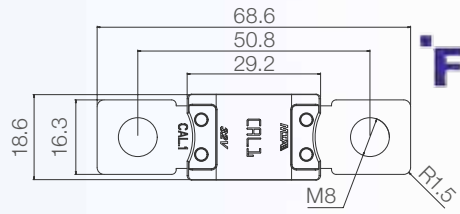
**Mega Compact blade fuse - 32V**  
 Heat resistant / Self extinguishing  
 Dim. H8.2 x W55 x D15 mm



- |  |   |   |   |   |   |                      |
|--|---|---|---|---|---|----------------------|
|  |  |  |  |   |  |                      |
| FU.ME80C - 80A (5)   | FU.ME100C - 100A (5)  | FU.ME125C - 125A (5)  | FU.ME150C - 150A (5)  | FU.ME200C - 200A (5)  | FU.ME250C - 250A (5)  |                      |
|  |  |  |  |  |  |                      |
| FU.ME175C - 175A (5)   | FU.ME200C - 200A (5)  | FU.ME225C - 225A (5)  | FU.ME250C - 250A (5)  | FU.ME300C - 300A (5)  | FU.ME400C - 400A (5)  | FU.ME500C - 500A (5) |





-  Zekeringen
-  Fuses
-  Sicherungen
-  Fusibles

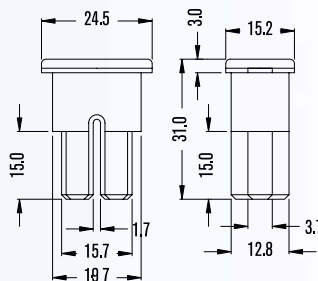
**Mega Power blade fuse - 32V**  
 Heat resistant / Self extinguishing  
 Dim. H10.4 x W68.6 x D18.6 mm







- |  |   |   |   |  |
|--|---|---|---|--|
|  |  |  |  |  |
| FU.ME.CAL1 (5)<br>400 - 1000 Amp.  | FU.ME.CAL2 (5)<br>400 - 1200 Amp.   | FU.ME.CAL3 (5)<br>500 - 1200 Amp.   | FU.ME.CAL4 (5)<br>600 - 1200 Amp.   | FU.ME.CAL5 (5)<br>700 - 1200 Amp.  |

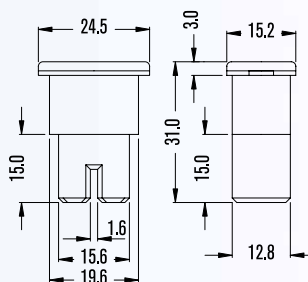
Hoge capaciteit stroomzekering met speciale uitschakelkarakteristiek voor o.a. Renault, Peugeot, Citroen en Fiat.  
 De zekeringen worden tussen accu en b.v. starter of generator geïnstalleerd

-  Zekeringen PAL - japOTO SB fuse - serie AS
-  Fuses JASO D612 - 32V
-  Sicherungen Dim. H31.0 x W24.5 x D15.2 mm
-  Fusibles







FU.020AS 20A (1)    FU.030AS 30A (1)    FU.040AS 40A (1)    FU.050AS 50A (1)    FU.060AS 60A (1)    FU.080AS 80A (1)    FU.100AS 100A (1)    FU.120AS 120A (1)    FU.140AS 140A (1)

-  Zekeringen PAL - japOTO SB fuse - serie AX
-  Fuses JASO D612 - 32V
-  Sicherungen Dim. H31.0 x W24.5 x D15.2 mm
-  Fusibles

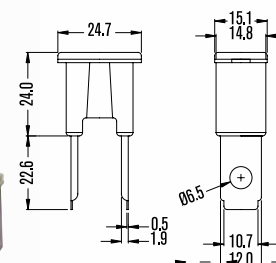


FU.020AX 20A (1)    FU.030AX 30A (1)    FU.040AX 40A (1)    FU.050AX 50A (1)    FU.060AX 60A (1)    FU.080AX 80A (1)    FU.100AX 100A (1)    FU.120AX 120A (1)

-  Zekeringen PAL - japOTO SB fuse - serie B
-  Fuses JASO D612 - 32V
-  Sicherungen Dim. H45.0 x W24.7 x D15.1 mm
-  Fusibles



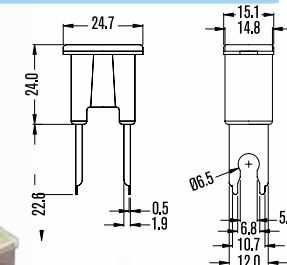
FU.020B 20A (1)    FU.030B 30A (1)    FU.040B 40A (1)    FU.050B 50A (1)    FU.060B 60A (1)    FU.070B 70A (1)    FU.080B 80A (1)    FU.100B 100A (1)    FU.120B 120A (1)    FU.140B 140A (1)



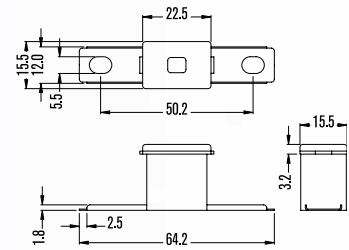
-  Zekeringen PAL - japOTO SB fuse - serie B1
-  Fuses JASO D612 - 32V
-  Sicherungen Dim. H46.6 x W22.2 x D15.0 mm
-  Fusibles



FU.020B1 20A (1)    FU.030B1 30A (1)    FU.040B1 40A (1)    FU.050B1 50A (1)    FU.060B1 60A (1)    FU.070B1 70A (1)    FU.080B1 80A (1)    FU.100B1 100A (1)    FU.120B1 120A (1)




**Zekeringen** PAL - japOTO SB fuse - serie C  
**Fuses** JASO D612 - 32V  
**Sicherungen** Dim. H21.5 x W62.0 x D14.6 mm  
**Fusibles**



FU.020C - 20A (1)



FU.030C - 30A (1)



FU.040C - 40A (1)



FU.050C - 50A (1)



FU.060C - 60A (1)



FU.070C - 70A (1)




FU.080C - 80A (1)

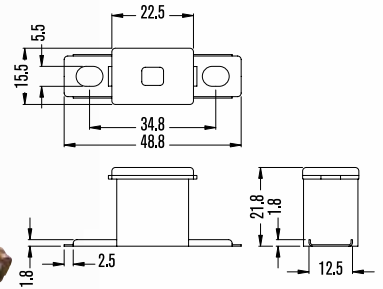


FU.100C - 100A (1)



FU.120C - 120A (1)


**Zekeringen** PAL - japOTO SB fuse - serie CS  
**Fuses** JASO D612 - 32V  
**Sicherungen** Dim. H21.5 x W48.0 x D15.0 mm  
**Fusibles**



FU.020CS - 20A (1)



FU.030CS - 30A (1)



FU.040CS - 40A (1)



FU.050CS - 50A (1)



FU.060CS - 60A (1)



FU.070CS - 70A (1)



FU.080CS - 80A (1)



FU.100CS - 100A (1)

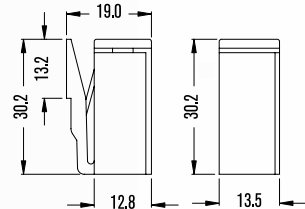


FU.120CS - 50A (1)



FU.140CS - 140A (1)


**Zekeringen** PAL - japOTO SB fuse - serie D  
**Fuses** JASO D612 - 32V  
**Sicherungen** Dim. H31.0 x W13.6 x D13.0 mm  
**Fusibles**



FU.020D  
20A (1)



FU.025D  
25A (1)



FU.030D  
30A (1)



FU.040D  
30A (1)



FU.050D  
50A (1)



FU.060D  
60A (1)



FU.070D  
70A (1)

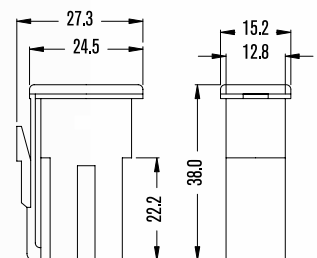


FU.080D  
80A (1)



FU.100D  
100A (1)


**Zekeringen** PAL - japOTO SB fuse - serie E  
**Fuses** JASO D612 - 32V  
**Sicherungen** Dim. H37.0 x W22.8 x D15.6 mm  
**Fusibles**



FU.045E  
45A (1)



FU.065E  
65A (1)

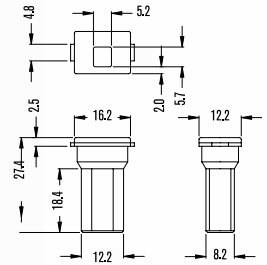





FU.075E  
75A (1)

 Zekeringen PAL - japOTO SB fuse - serie F  
 Fuses JASO D612 - 32V  
 Sicherungen Dim. H27.4 x W16.2 x D12.2 mm  
 Fusibles



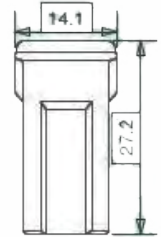
FU.020F 20A (1)    FU.030F 30A (1)    FU.040F 40A (1)    FU.050F 50A (1)    FU.060F 60A (1)    FU.070F 70A (1)    FU.080F 80A (1)







 Zekeringen PAL - japOTO SB fuse - serie J1  
 Fuses JASO D612 32V  
 Sicherungen Dim. H27.0 x W14.1 x D12.0 mm  
 Fusibles



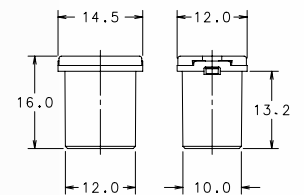
FU.020J1 20A (1)    FU.025J1 25A (1)    FU.030J1 30A (1)    FU.040J1 40A (1)    FU.050J1 50A (1)    FU.060J1 60A (1)



 Zekeringen PAL - japOTO SB fuse - serie JLP  
 Fuses JASO D612 32V  
 Sicherungen Dim. H16.0 x W14.0 x D12.0 mm  
 Fusibles



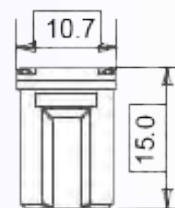
FU.020JLP 20A (1)    FU.025JLP 25A (1)    FU.030JLP 30A (1)    FU.040JLP 40A (1)    FU.050JLP 50A (1)    FU.060JLP 60A (1)







 Zekeringen PAL - japOTO SB fuse - serie JM  
 Fuses JASO D612 - 32V  
 Sicherungen Dim. H15.0 x W10.7 x D12.0 mm  
 Fusibles



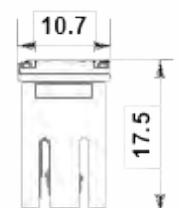
FU.015JM 15A (1)    FU.020JM 20A (1)    FU.025JM 25A (1)    FU.030JM 30A (1)    FU.040JM 40A (1)



 Zekeringen PAL - japOTO SB fuse - serie JMS  
 Fuses JASO D612 - 32V  
 Sicherungen Dim. H17.5 x W10.7 x D12.0 mm  
 Fusibles



FU.015JMS 15A (1)    FU.020JMS 20A (1)    FU.025JMS 25A (1)    FU.030JMS 30A (1)    FU.040JMS 40A (1)    FU.050JMS 50A (1)    FU.060JMS 60A (1)

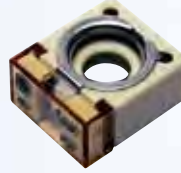


-  CF8 Zekering
-  CF8 Fuse - links
-  CF8 Sicherungseinsätze
-  CF8 Cartouches fusibles





CF8 - Ceramic C221  
Dim. 20x11x23  
UL94-VO - 58V



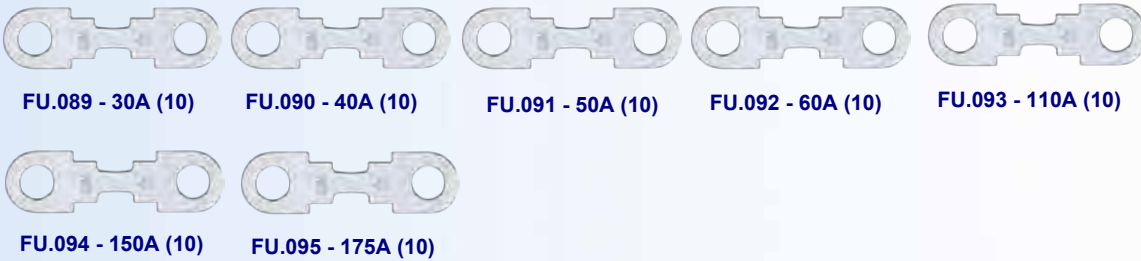
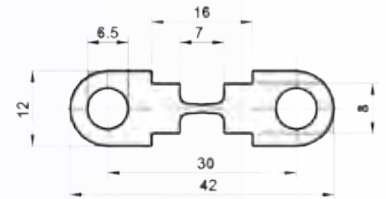
FU.044	50A (1)	FU.050	200A (1)
FU.045	75A (1)	FU.051	250A (1)
FU.046	100A (1)	FU.052	300A (1)
FU.047	125A (1)		
FU.048	150A (1)		
FU.049	175A (1)		







FU.053 (1)  
isolatiemoer  
insulating nut  
Isoliermutter  
ecrou isolant

-  Zekeringen - smeltstroken
-  Fuse - strips
-  Sicherungstreifen
-  Fusibles - lames

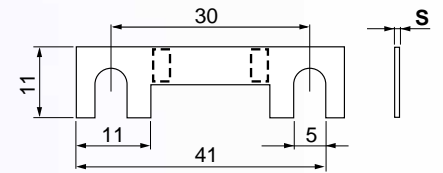
Dim. 42x12 mm  
DIN 72581/2 - UL 94-VO  
12-32V  
Audi, Opel, Seat, Skoda, VW






FU.089 - 30A (10)    FU.090 - 40A (10)    FU.091 - 50A (10)    FU.092 - 60A (10)    FU.093 - 110A (10)  
FU.094 - 150A (10)    FU.095 - 175A (10)

-  Zekeringen - smeltstroken
-  Fuse - strips
-  Sicherungstreifen
-  Fusibles - lames

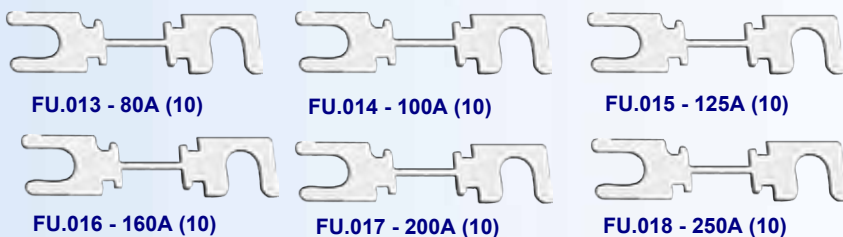
Dim. 41x11 mm  
DIN 72581/2 UL  
94-VO  
36V



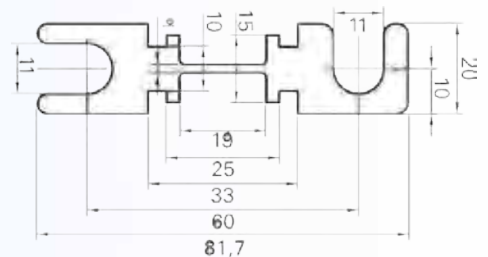
FU.003 - 30A (10)    FU.004 - 40A (10)    FU.005 - 50A (10)    FU.007 - 60A (10)  
FU.006 - 80A (10)    FU.007 - 100A (10)    FU.008 - 120A (10)    FU.009 - 150A (10)

-  Zekeringen - smeltstroken
-  Fuse - strips
-  Sicherungstreifen
-  Fusibles - lames

Dim. 82x20 mm  
DIN 43560/1  
UL 94-VO  
80V



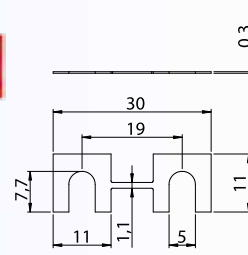
FU.013 - 80A (10)    FU.014 - 100A (10)    FU.015 - 125A (10)  
FU.016 - 160A (10)    FU.017 - 200A (10)    FU.018 - 250A (10)



Op aanvraag leverbaar: 40A / 50A / 63A / 135A / 300A / 355A / 425A / 500A

- Zekeringen - smeltstroken
- Fuse - strips
- Sicherungenstreifen
- Fusibles - lames

Dim. 30x11 mm  
DIN 72581/2 - UL 94-VO  
32V



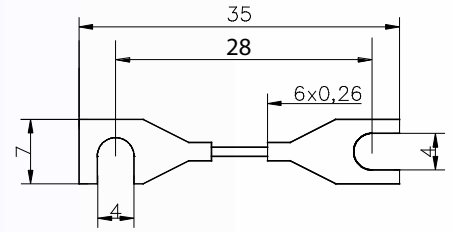
FU.001  
30A (10)



FU.002  
40A (10)

- Zekeringen - smeltstroken
- Fuse - strips
- Sicherungenstreifen
- Fusibles - lames

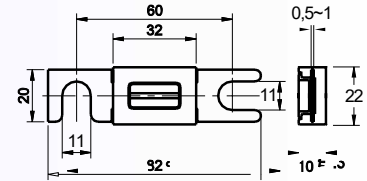
Dim. 35x7 mm  
FIAT-OM  
32V



FU.010  
25A (10)

- Zekeringen - smeltstroken
- Fuse - strips
- Sicherungenstreifen
- Fusibles - lames

Dim. 82x22 mm  
DIN 43560/1  
UL 94-VO  
32V



FU.019 - 35A (1)



FU.0001 - 40A (1)



FU.023 - 100A (1)



FU.020 - 50A (1)



FU.021 - 63A (1)



FU.022 - 80A (1)



FU.0003- 150A (1)



FU.025 - 135A (1)



FU.0002- 130A (1)



FU.026 - 160A (1)



FU.0004- 175A (1)



FU.027 - 200A (1)



FU.028 - 250A (1)



FU.0006- 275A (1)



FU.029 - 300A (1)



FU.030 - 355A (1)



FU.0008- 400A (1)



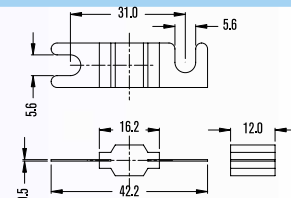
FU.031 - 425A (1)



FU.058 - 500A (1)

- Zekeringen - mini smeltstroken
- Fuse - Mini strips
- Sicherungenstreifen Mini
- Fusibles - lames Mini

Dim. 42.2x16.2 mm  
32V



FU.MS030 30A (5)



FU.MS040 40A (5)



FU.MS050 50A (5)



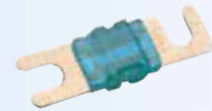
FU.MS060 60A (5)



FU.MS070 70A (5)



FU.MS080 80A (5)



FU.MS100 100A (5)



FU.MS125 125A (5)



FU.MS150 150A (5)

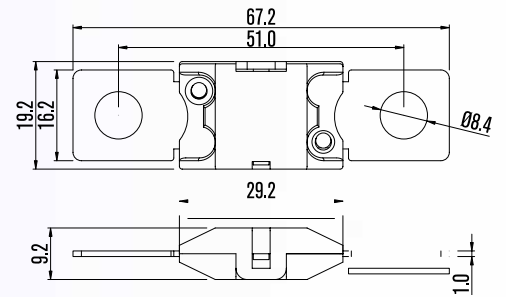


FU.MS200 200A (5)



-  Zekeringen - Mega smeltstroken
-  Fuse - Mega strips
-  Sicherungenstreifen Mega
-  Fusibles - lames Mega

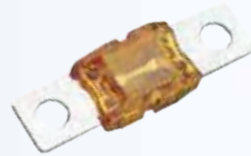
Dim. 67.2x19.2 mm   
32V



FU.MES100 100A (5)



FU.MES125 125A (5)



FU.MES150 150A (5)



FU.MES175 175A (5)



FU.MES200 200A (5)



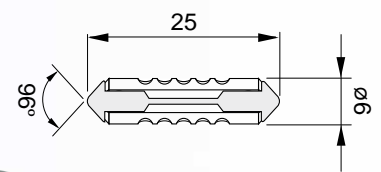
FU.MES225 225A (5)



FU.MES225 250A (5)

-  Zekeringen
-  Fuses
-  Sicherungen
-  Fusibles

Ceramic fuse  
DIN 72581-1  
Dim. L25.4 x W6  
mm 32V



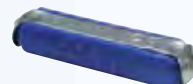
FU.2005 - 5A (100)



FU.2008 - 8A (100)






FU.2016 - 16A (100)



FU.2025 - 25A (100)



FU.2040 - 40A (100)

-  Glas zekeringen
-  Glass fuses
-  Glas-Sicherungen
-  Fusibles de verre

Dim. 5x20 mm  
IEC 127 - BS4265 - CEE4  
32V



FU.4001 - 1A(10)

FU.4001.25 - 1.25A (10)

FU.4001.6 - 1.6A (10)

FU.4002 - 2A (10)

FU.4002.5 - 2.5A (10)

FU.4003 - 3.15A (10)

FU.4004 - 4A (10)

FU.4005 - 5A (10)

FU.4006 - 6.3A (10)

FU.4008 - 8A (10)

FU.4010 - 10A (10)

FU.4012 - 12A (10)

FU.4015 - 15A (10)

FU.4016 - 16A (10)

FU.4020 - 20A (10)

FU.4100 - 100MA (10)

FU.4200 - 200MA (10)

FU.4250 - 250MA (10)

FU.4300 - 300MA (10)




FU.4400 - 400MA (10)

FU.4500 - 500MA (10)

FU.4800 - 800MA (10)

Glas zekeringen TRAAG

FU.4010T - 10A (10)

-  Glas zekeringen
-  Glass fuses
-  Glas-Sicherungen
-  Fusibles de verre

Dim. 6.35x32 mm  
IEC 127 - BS4265 - CEE4  
32V



FU.5001 - 1A (10)

FU.5002 - 2A (10)

FU.5002.5 - 2.5A (10)

FU.5003 - 3A (10)

FU.5004 - 4A (10)

FU.5005 - 5A (10)

FU.5006 - 6A (10)

FU.5008 - 8A (10)

FU.5010 - 10A (10)

FU.5015 - 15A (10)

FU.5020 - 20A (10)

FU.5025 - 25A (10)





FU.5030 - 30A (10)

FU.5035 - 35A (10)

FU.5050 - 50A (10)

Glas zekeringen TRAAG

FU.5010TR - 10A (10)

-  Automatische zekeringen
-  Automatic fuses
-  Sicherungsautomaten
-  Fusible automatiques

DIN 446244 - A6.3-0.8  
-30°C / +60°C  
12V VW / AUDI



FU.040  
12A (1)







FU.041  
15A (1)



FU.042  
20A (1)



FU.043  
30A (1)

-  Automatische zekeringen
-  Automatic fuses
-  Sicherungsautomaten
-  Fusible automatiques

DIN 72581/3C - IP54  
 -30°C / +60°C  
 24V



FU.054  
5A (1)



FU.061  
6A (1)



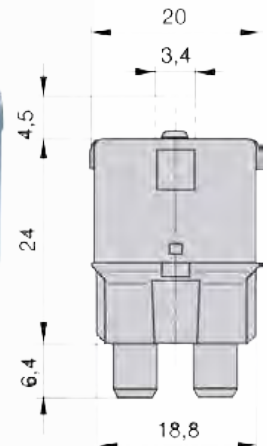
FU.055  
8A (1)



FU.032  
10A (1)



FU.033  
15A (1)



FU.034  
20A (1)







FU.035  
25A (1)



FU.101  
30A (1)



FU.102  
40A (1)

-  Automatische zekeringen
-  Automatic fuses
-  Sicherungsautomaten
-  Fusible automatiques

DIN 72581/3C - IP54  
 -30°C / +60°C  
 24 - 32V



FU.111  
5A (1)



FU.062  
6A (1)



FU.112  
7.5A (1)



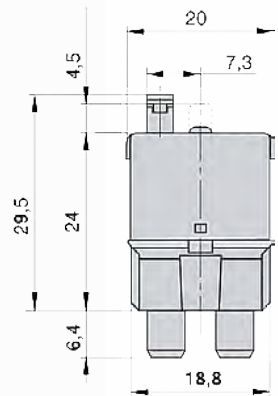
FU.113  
10A (1)



FU.114  
15A (1)



FU.115  
20A (1)







FU.116  
25A (1)



FU.117  
30A (1)



FU.118  
40A (1)

-  Automatische zekeringen
-  Automatic fuses
-  Sicherungsautomaten
-  Fusible automatiques

DIN 446244 - A6.3-0.8  
 -30°C / +60°C  
 12V



FU.801  
5A (1)



FU.802  
6A (1)



FU.803  
8A (1)



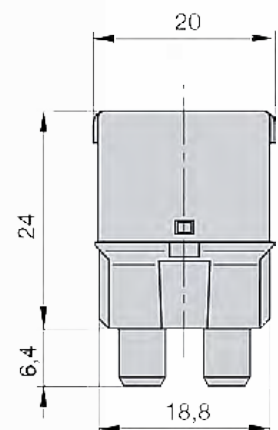
FU.804  
10A (1)



FU.805  
15A (1)







FU.806  
20A (1)



FU.807  
25A (1)







FU.808  
30A (1)

-  Automatische zekeringen
-  Automatic fuses
-  Sicherungsautomaten
-  Fusible automatiques

DIN 72581/3C -  
IP54 -30°C / +60°C  
12V - 48V



FU.119 5A (1)    FU.059 7.5A (1)    FU.036 10A (1)    FU.037 15A (1)    FU.038 20A (1)    FU.039 25A (1)    FU.056 30A (1)    FU.809 35A (1)    FU.810 40A (1)

-  Automatische zekeringen
-  Automatic fuses
-  Sicherungsautomaten
-  Fusible automatiques

DIN 72581/3F -  
IP54 -30°C / +60°C  
12V







MINI



FU.104 5A (1)    FU.105 7.5A (1)    FU.106 10A (1)    FU.107 15A (1)    FU.108 20A (1)    FU.109 25A (1)    FU.110 30A (1)



-  Automatische zekeringen
-  Automatic fuses
-  Sicherungsautomaten
-  Fusible automatiques

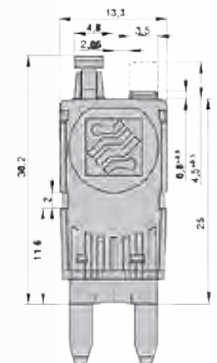
DIN 72581/3F -  
IP54 -30°C / +60°C  
12-24V







MINI



FU.811 5A (1)    FU.812 7.5A (1)    FU.813 10A (1)    FU.814 15A (1)    FU.815 20A (1)    FU.816 25A (1)    FU.817 30A (1)



-  Automatische zekeringen
-  Automatic fuses
-  Sicherungsautomaten
-  Fusible automatiques

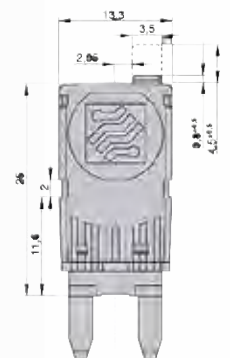
DIN 72581/3C -  
IP54 -30°C / +60°C  
32V







MINI



FU.818 5A (1)    FU.819 7.5A (1)    FU.820 10A (1)    FU.821 15A (1)    FU.822 20A (1)    FU.823 25A (1)    FU.824 30A (1)



-  Automatische zekeringen
-  Automatic fuses IP67
-  Sicherungsautomaten 48V
-  Fusible automatiques

Art.nr	Type	Amp	Stud Size	VPE
FU.9100	HCB50S	50	1/4"	1
FU.9101	HCB60S	60	1/4"	1
FU.9102	HCB80S	80	1/4"	1
FU.9103	HCB100S	100	1/4"	1
FU.9104	HCB150S	150	1/4"	1
FU.9105	HCB200S	200	3/8"	1



Meestal gebruikt in hulp- en accessoirecircuits in vrachtwagens, bussen, campers en maritieme systemen. Afgedicht voor toepassingen in motorruimte en lensruimte. Inclusief beschermknoppen Conformiteit: SAE J1171 (beveiligd tegen ontsteking), SAE J1625. Ingress-bescherming: IP67 Voltage: 48Vdc. Onderbrekingsbeoordeling: 3000A @ 30Vdc. Bedrijfstemperatuur: -32 °C tot 82 °C Opslagtemperatuur: -34 °C tot 149 °C. Materiaal: zwart UL-gecertificeerd 94V0 thermohardend kunststof Inclusief beschermknoppen.

-  Zekeringhouders Mini
-  Fuseholders Mini
-  Sicherungshalter Mini
-  Porte fusible Mini

DIN 72581/3C  
-30°C / +60°C  
UL 94-VO - UL 275 - SAE



FU.927 - Mini fuse 2-20A (10)

 Ø 2.0 mm2



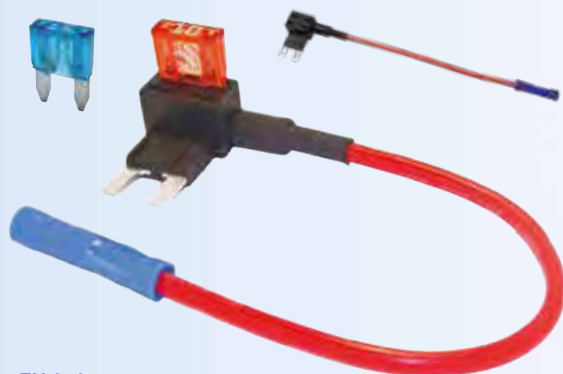
FU.928 - Mini fuse 2-30A (10)

 Ø 3.0 mm2



FU.928L - Mini fuse 2-30A (10)

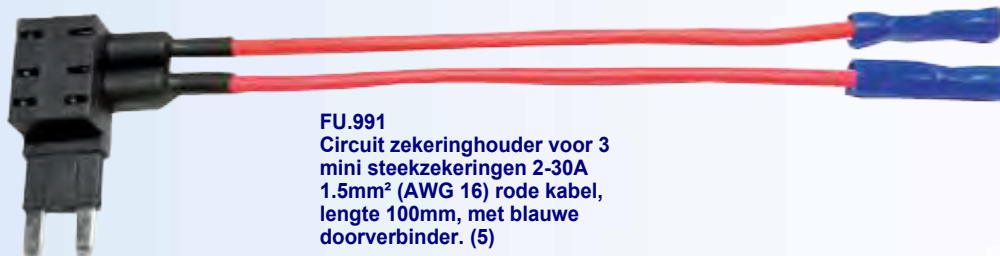
 Ø 3.0 mm2



FU.973  
Circuit zekeringhouder voor 2 mini steekzekeringen 2-30A 1.3mm<sup>2</sup> (AWG 16) rode kabel, lengte 100mm, met blauwe doorverbinder. (10)







FU.975  
Circuit zekeringhouder voor 2 mini steekzekeringen 2-30A 1.3mm<sup>2</sup> (AWG 16) rode kabel, lengte 100mm, met aansluit blok 6.3 mm. (10)



FU.991  
Circuit zekeringhouder voor 3 mini steekzekeringen 2-30A 1.5mm<sup>2</sup> (AWG 16) rode kabel, lengte 100mm, met blauwe doorverbinder. (5)



FU.992  
Circuit zekeringhouder voor 3 mini steekzekeringen 2-30A 1.5mm<sup>2</sup> (AWG 16) rode kabel, lengte 100mm, met aansluit blok 6.3 mm. (5)

-  Zekeringhouders Norm
-  Fuseholders Norm
-  Sicherungshalter
-  Porte fusible Norm

DIN 72581/3C  
 -30°C / +60°C  
 UL 94-VO - UL 275 - SAE



FU.929 - Norm fuse 2-20A (10)

 Ø 2.0 mm<sup>2</sup> 



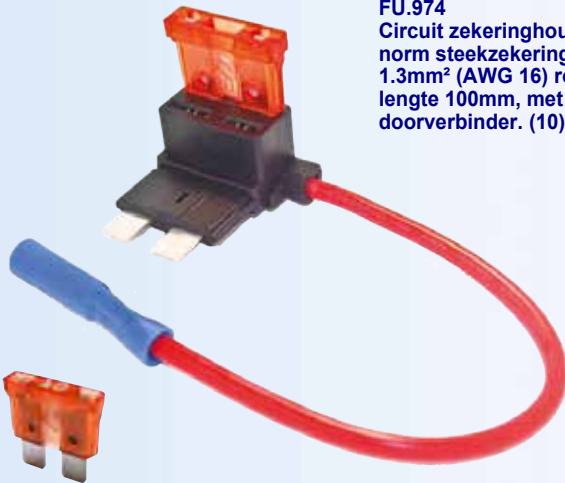
FU.930 - Norm fuse 2-30A (10)

 Ø 3.0 mm<sup>2</sup>

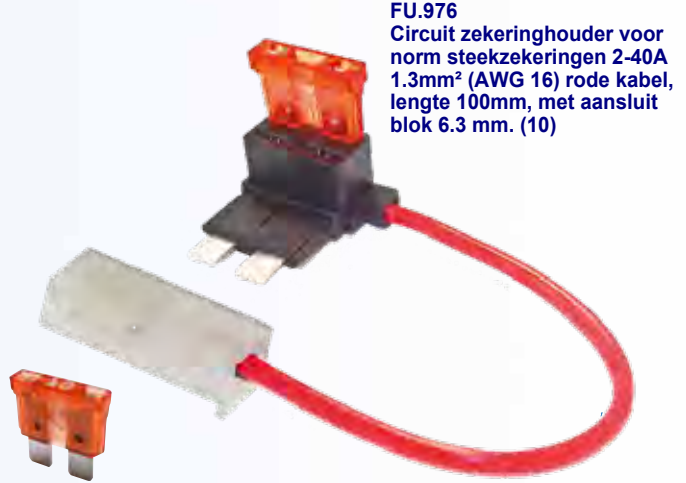


FU.930-L - Norm fuse 2-30A (10)

 Ø 3.0 mm<sup>2</sup> 



FU.974  
 Circuit zekeringhouder voor  
 norm steekzekeringen 2-40A  
 1.3mm<sup>2</sup> (AWG 16) rode kabel,  
 lengte 100mm, met blauwe  
 doorverbinder. (10)







FU.976  
 Circuit zekeringhouder voor  
 norm steekzekeringen 2-40A  
 1.3mm<sup>2</sup> (AWG 16) rode kabel,  
 lengte 100mm, met aansluit  
 blok 6.3 mm. (10)



FU.993  
 Circuit zekeringhouder voor 3  
 norm steekzekeringen 2-30A  
 1.5mm<sup>2</sup> (AWG 16) rode kabel,  
 lengte 100mm, met blauwe  
 doorverbinder. (5)



FU.994  
 Circuit zekeringhouder voor 3  
 norm steekzekeringen 2-30A  
 1.5mm<sup>2</sup> (AWG 16) rode kabel,  
 lengte 100mm, met aansluit  
 blok 6.3 mm. (5)

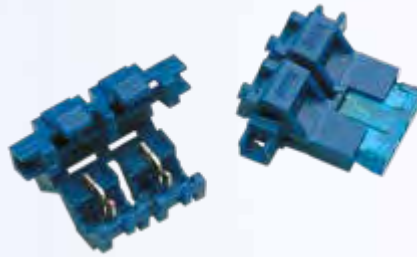
-  Zekeringhouders Norm
-  Fuseholders Norm
-  Sicherungshalter
-  Porte fusible Norm

DIN 72581/3C  
 -30°C / +60°C  
 UL 94-VO - UL 275 - SAE



FU.961 - Norm fuse 2-30A (10)

 Ø 1.5 mm<sup>2</sup>



FU.972 Norm fuse 2-40A (10)

 Ø 1.5 mm<sup>2</sup>



FU.922 - Norm fuse FHA16 2-30A (10)



FU.933 - Norm fuse FHA14 2-40A (10)



FU.934 - Norm fuse FHA20 2-40A (10)

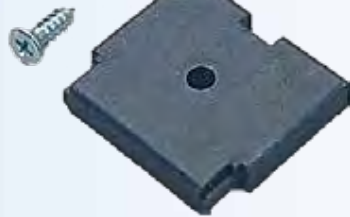


FU.960 - Ø 3.0 mm<sup>2</sup> Norm fuse 2-40A (10)



FU.920 - Norm fuse 2-30A (10)

 Ø 1.5 mm<sup>2</sup>



FU.910  
 fixing plate FU.920 (10)




FU.911  
 cover FU.912 (10)



FU.9097 - Norm fuse Sealed 20A incl. contacten (1)



-  Zekeringhouders Mini FLP
-  Fuseholders Mini FLP
-  Sicherungshalter Mini FLP
-  Porte fusible Mini FLP

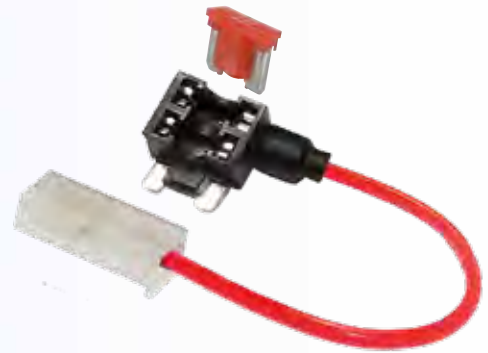
DIN 72581/3C  
 -30°C / +60°C  
 UL 94-VO - UL 275 - SAE



**FU.981**  
 Zekeringhouder voor FLP mini steekzekeringen 2-30A 3.0mm<sup>2</sup> (gele kabel, lengte 100mm) (1)



**FU.977**  
 Circuit zekeringhouder voor 2 FLP mini steekzekeringen 2-30A 1.3mm<sup>2</sup> (AWG 16) rode kabel, lengte 100mm, met blauwe doorverbinder. (10)







**FU.978**  
 Circuit zekeringhouder voor 2 FLP mini steekzekeringen 2-30A 1.3mm<sup>2</sup> (AWG 16) rode kabel, lengte 100mm, met aansluit blok 6.3 mm. (10)



**FU.995**  
 Circuit zekeringhouder voor 3 FLP mini steekzekeringen 2-30A 1.3mm<sup>2</sup> (AWG 16) rode kabel, lengte 100mm, met blauwe doorverbinder. (5)



**FU.996**  
 Circuit zekeringhouder voor 3 FLP mini steekzekeringen 2-30A 1.3mm<sup>2</sup> (AWG 16) rode kabel, lengte 100mm, met aansluit blok 6.3 mm. (5)

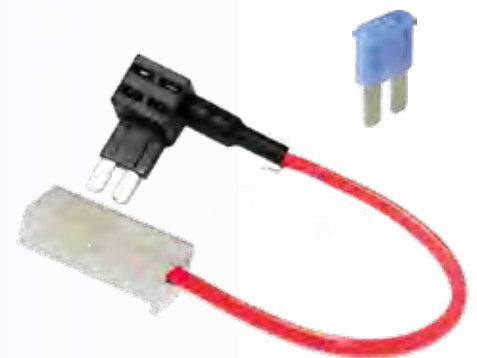
-  Zekeringhouders Micro 2
-  Fuseholders Micro 2
-  Sicherungshalter Micro 2
-  Porte fusible Micro 2







**FU.987**  
 Zekeringhouder voor Micro 2 steekzekeringen 2-30A 1.3mm<sup>2</sup> (AWG 16) rode kabel, lengte 100mm. (10)



**FU.979**  
 Circuit zekeringhouder voor 2 Micro 2 steekzekeringen 2-30A 1.3mm<sup>2</sup> (AWG 16) rode kabel, lengte 100mm, met blauwe doorverbinder. (10)



**FU.980**  
 Circuit zekeringhouder voor 2 Micro 2 steekzekeringen 2-30A 1.3mm<sup>2</sup> (AWG 16) rode kabel, lengte 100mm, met aansluit blok 6.3 mm. (10)





-  Zekeringhouders Micro 2
-  Fuseholders Micro 2
-  Sicherungshalter Micro 2
-  Porte fusible Micro 2



**FU.997**  
Circuit zekeringhouder voor 3 Micro 2 steekzekeringen 2-30A 1.3mm<sup>2</sup> (AWG 16) rode kabel, lengte 100mm, met blauwe doorverbinder. (5)



**FU.998**  
Circuit zekeringhouder voor 3 Micro 2 steekzekeringen 2-30A 1.3mm<sup>2</sup> (AWG 16) rode kabel, lengte 100mm, met aansluit blok 6.3 mm. (5)

-  Zekeringhouders Micro 3
-  Fuseholders Micro 3
-  Sicherungshalter Micro 3
-  Porte fusible Micro 3







**FU.9093**  
Zekeringhouder voor Micro 3 steekzekeringen 2-30A (10)  
Ø 1.5 mm<sup>2</sup>



**FU.9094**  
Zekeringhouder voor Micro 3 steekzekeringen 2-30A (10)  
Ø 1.5 mm<sup>2</sup>

**FU.9091**  
Circuit zekeringhouder voor 2 Micro 3 steekzekeringen 2-30A 1.3mm<sup>2</sup> (AWG 16) rode kabel, lengte 100mm, met blauwe doorverbinder. (5)

**FU.9092**  
Circuit zekeringhouder voor 2 Micro 3 steekzekeringen 2-30A 1.3mm<sup>2</sup> (AWG 16) rode kabel, lengte 100mm, met aansluit blok 6.3 mm. (5)

-  Zekeringhouders JLP / J
-  Fuseholders JLP / J
-  Sicherungshalter JLP / J
-  Porte fusible JLP / J







**FU.985** JLP Fuses (1)



**FU.984** J Fuses (1)



-  Zekeringhouders Maxi
-  Fuseholders Maxi
-  Sicherungshalter Maxi
-  Porte fusible Maxi

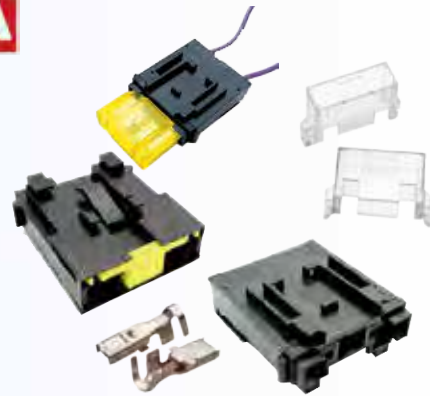
DIN 72581/3C  
 -30°C / +60°C  
 UL 94-VO - UL 275 - SAE



FU.936 - maxi fuse 20-100A  
 wire Ø 3.0 mm2 (1)



FU.MAB1 - maxi fuse max 70A  
 wire Ø 2.5-6.0 mm2 wire Ø 6.0-10.0  
 mm2 (1 set)



FU.9095 - maxi fuse 20-100A  
 wire Ø 4.0 - 6.0 mm2 incl. kap + 2 contacten  
 (1 set)







FU.938 - maxi fuse 20-100A  
 wire Ø 2.5-4.0 mm2 IP54 (1 set)



FU.939 - maxi fuse 20-100A  
 wire Ø 4.0-6.0 mm2 IP54 (1 set)



FU.940 - maxi fuse 20-100A  
 wire Ø 6.0-10.0 mm2 IP54 (1 set)

-  Zekeringhouders
-  Fuseholders
-  Sicherungshalter
-  Porte fusible

DIN 72581 - DIN 43560 - ISO 8820  
 -30°C / +60°C  
 UL 94-VO - UL 275 - SAE



FU.924  
 incl. 8A ceramic fuse (10)







FU.925  
 incl. 8A ceramic fuse (10)



FU.926  
 incl. 2A glass fuse (10)



FU.935  
 glassuniv, 5x20 / 6x32 (10)

-  Zekeringhouders Mega
-  Fuseholders Mega
-  Sicherungshalter Mega
-  Porte fusible Mega

DIN 72581 - DIN 43560 - ISO 8820  
 -30°C / +60°C  
 UL 94-VO - UL 275 - SAE







FU.944 - Mega fuse 100-500A  
 10/16/25/35 mm2 (1)



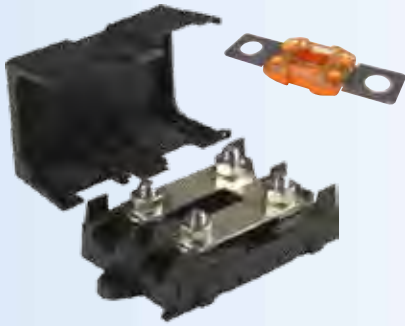
FU.945 - Mega fuse 100-500A  
 121x45x37 (1)



FU.966 - Mega fuse 100-500A  
 100x44x46 (1)

-  Zekeringhouders Mega
-  Fuseholders Mega
-  Sicherungshalter Mega
-  Porte fusible Mega





DIN 72581 - DIN 43560 - ISO 8820  
 -30°C / +60°C  
 UL 94-VO - UL 275 - SAE



FU.967 - Mega fuse 100-500A  
 128x54x66 (1)



FU.986 - Mega fuse 100-500A  
 121x45x37 (1)

-  Zekeringhouders Midi - Strip
-  Fuseholders Midi - Strip
-  Sicherungshalter Midi - Strip
-  Porte fusible Midi - Strip

DIN 72581 - DIN 43560 - ISO 8820  
 -30°C / +60°C  
 UL 94-VO - UL 275 - SAE



FU.923 - Midi fuse / Strip fuse 42x12  
 121x45x37 (1)



FU.946 - Midi fuse / Strip fuse 42x12  
 121x45x37 (1)



FU.941  
 Midi fuse / Strip fuse 42x12 (1)



FU.968 - 3P Midi fuse / Strip fuse 42x12  
 116x29x50 incl. seals (1)



FU.942 - 4P Midi fuse / Strip fuse 42x12  
 116x29x50 (1)



FU.956  
 conn.strip 2p. for FU.941/FU.942 (1)

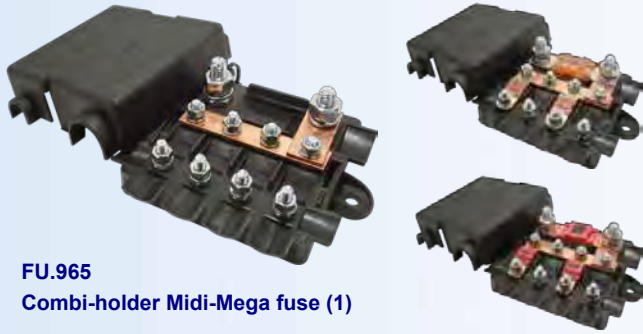


FU.957  
 conn.strip 4p. for FU.942 (1)



Zekeringhouders Combi Midi - Mega  
 Fuseholders Combi Midi - Mega  
 Sicherungshalter Combi Midi - Mega  
 Porte fusible Combi Midi - Mega

DIN 72581 - DIN 43560 - ISO 8820  
 -30°C / +60°C  
 UL 94-VO - UL 275 - SAE



FU.965  
 Combi-holder Midi-Mega fuse (1)



FU.982  
 conn.strip 4p. for FU.965 (1)

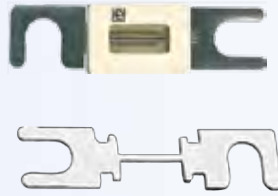


Zekeringhouders Strip  
 Fuseholders Strip  
 Sicherungshalter Strip  
 Porte fusible Strip

DIN 72581 - DIN 43560 - ISO 8820  
 -30°C / +60°C  
 UL 94-VO - UL 275 - SAE



FU.958  
 Fuse strip 30/450A 82x20 (1)



FU.963  
 Fuse strip 30/450A 82x20 (1)



Zekeringdozen met LED  
 Fuseboxes with LED  
 Sicherungsdosen mit LED  
 Boîte à fusibles avec LED

-20°C - +85°C







FU.988 - 4p Fuse box + LED  
 Norm Fuse 1 - 30A  
 LWH 49.0 x 85.0 x35.5



FU.989 - 6p Fuse box + LED  
 Norm Fuse 1 - 30A  
 LWH 49.0 x 85.0 x35.5



-  Zekeringdozen met LED
-  Fuseboxes with LED
-  Sicherungsdosen mit LED
-  Boîte à fusibles avec LED

-20°C - +85°C



**FU.990 - 10p Fuse box + LED**  
**Norm Fuse 1 - 30A**  
**LWH 95.0 x 85.0 x35.5**







Zekeringhouder van 10 -30 volt , 25ampere per uitgang . met mogelijkheid om 6 reserve zekeringen te plaatsen ! De tab terminals aan de onderkant zijn 6,3x0.8mm deze zekeringsdoos is volledig waterdicht , indien zekering niet meer heel is gaat de LED branden! Output 25 Amp. max. per circuit.  
 Maat: tab size 6,3 x0.8mm, 6.4 mm quick connectterminal

**FU.999 - Waterproof 10p Fuse box + LED**  
**Inbouw - Norm Fuse 1 - 30A**  
**LWH 109.0 x 75.0 x37.0**







**FU.9106 - 10p Fuse box + LED**  
**FLP Fuse 2 - 30A**  
**LWH 95.0 x 85.0 x35.5**

-  Zekeringdozen met LED
-  Fuseboxes with LED
-  Sicherungsdosen mit LED
-  Boîte à fusibles avec LED

-20°C - +85°C



**FU.9107 - 10p Fuse box + LED**  
**MINI Fuse 2 - 30A**  
**LWH 95.0 x 85.0 x35.5**

-  Zekeringdozen
-  Fuseboxes
-  Sicherungsdosen
-  Boîte à fusibles

-20°C - +85°C



**FU.9098 - 6p Zekeringkast**  
**Norm Fuse 1 - 30A**  
**L125 x W95 x D59 mm (incl.deksel)**  
**vpe 1**

**Zekeringkast voor 6 zekeringen, bestaande uit 2 positieve en 1 negatieve rail.**  
**Geschikt voor de automotive & marine industrie.**



Voltage(Max):32DC  
 Input Terminal Rating:M5 schroefdraadbouten(max. 100A)  
 Beoordeling uitgangsaansluiting:30A/30A max.Belasting per circuit  
 Torque Rating:20 in-lb (2,25Nm)max Ratingkoppel:max.0,9Nm(8in-lb) Temperatuurbeoordeling:-25°C tot +85°C  
 Materiaal:CoverPC(helder) Behuizingenbasis:PBT(zwart) Terminal:vertind koper - Rating:100AMax



**FU.9099 - 12p Zekeringkast**  
**Norm Fuse 1 - 30A**  
**L164 x B95 x D59 mm (inclusief deksel)**  
**vpe 1**

**Zekeringkast voor 12 zekeringen, bestaande uit 2 positieve en 1 negatieve rail.**  
**Geschikt voor de automotive & marine industrie.**

Voltage (Max): 32 DC - Input Terminal Rating: M5 schroefdraadbouten (max. 160A)  
 Beoordeling uitgangsaansluiting: 30A / 30A max. Belasting per circuit  
 Torque Rating: 20 in-lb (2,25 Nm) max.  
 Montagekoppel Rating: 8 in-lb (0,9 Nm) max  
 Temperatuurbeoordeling: -25 ° C tot + 85 ° C - Materiaal: Cover PC (helder)  
 Behuizing en basis: PBT (zwart) - Terminal: vertind koper - Beoordeling: 100A Max

-  Zekeringdozen
-  Fuseboxes
-  Sicherungsdosen
-  Boîte à fusibles

DIN 72581 - DIN 43560 - ISO 8820  
 -30°C / +60°C  
 UL 94-VO - UL 275 - SAE



FU.913 - Norm Fuse univ. 4P - 65x57x26 (1)



FU.918 - Norm Fuse univ. 4P - 79x37x46 (1)



FU.914 - Norm Fuse univ. 6P - 85x57x27 (1)



FU.916 - Norm Fuse univ. 6P - 98x37x27 (1)



FU.915 - Norm Fuse univ. 6P - 96x25x24 (1)







FU.969 - Norm Fuse IP53 univ. 6P - 110x43.5x29 (1)



FU.917 - Norm Fuse univ. 8P - 119x37x46 (1)



FU.959 - Norm Fuse univ. 8P - 115x42x32 (1)

-  Zekeringdozen
-  Fuseboxes
-  Sicherungsdosen
-  Boîte à fusibles

DIN 72581 - DIN 43560 - ISO 8820  
 -30°C / +60°C  
 UL 94-VO - UL 275 - SAE



FU.970 - Norm Fuse IP53 univ. 8P - 142x43.5x29 (1)







FU.971 - Norm / Auto Fuse univ. 8P 118x61x29 (1)



FU.964 - Norm Fuse univ. 16P 130x64x89 (1)



FU.9096 - Norm Fuse univ. 16P 130x64x89 (1)

-  Zekeringdozen
-  Fuseboxes
-  Sicherungsdosen
-  Boîte à fusibles

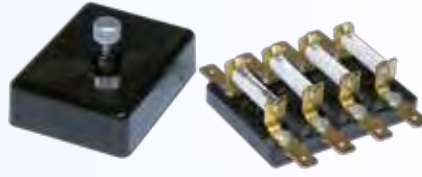
DIN 72581 - DIN 43560 - ISO 8820  
 -30°C / +60°C  
 UL 94-VO - UL 275 - SAE



FU.905 - Ceramic Fuse  
 univ. 2P (1)



FU.947 - Ceramic Fuse  
 univ. 2P (1)



FU.906 - Ceramic Fuse  
 univ. 4P (1)



FU.948 - Ceramic Fuse  
 univ. 4P (1)



FU.907 - Ceramic Fuse  
 univ. 6P (1)



FU.949 - Ceramic Fuse  
 univ. 6P (1)



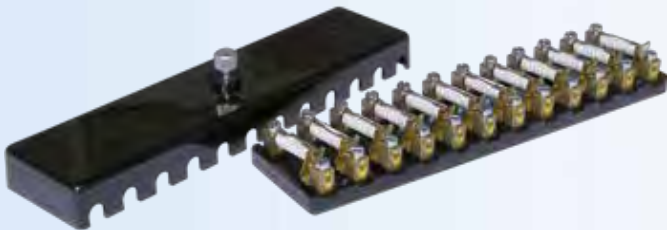
FU.908 - Ceramic Fuse  
 univ. 8P (1)



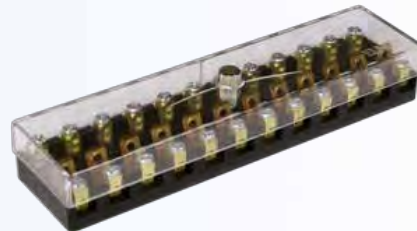
FU.950 - Ceramic Fuse  
 univ. 8P (1)







FU.951 - Ceramic Fuse  
 univ. 10P (1)



FU.909 - Ceramic Fuse  
 univ. 12P (1)

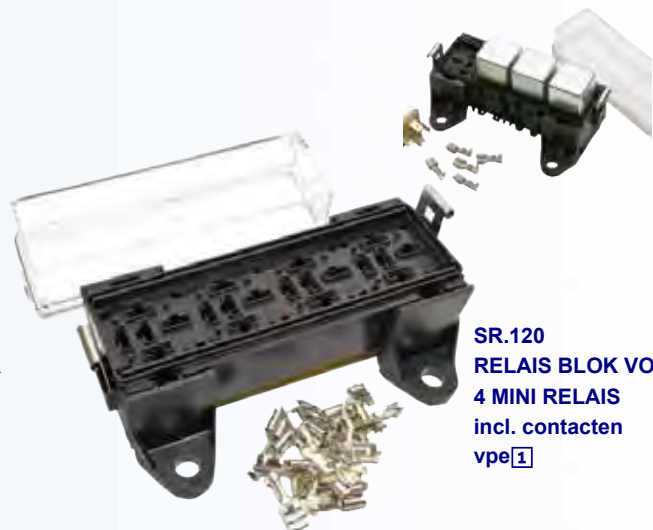


FU.952 - Ceramic Fuse  
 univ. 12P (1)

-  Relaisouder mini /micro relais
-  Relayholder mini /micro relays
-  Relaisalter mini /mikro relais
-  Support de relais mini / micro



SR.119  
 RELAIS BLOK VOOR  
 7 MICRO RELAIS  
 incl. contacten  
 vpe 

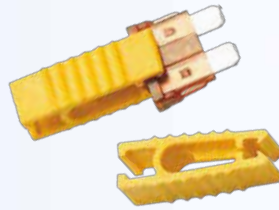


SR.120  
 RELAIS BLOK VOOR  
 4 MINI RELAIS  
 incl. contacten  
 vpe 

-  Zekeringen - accessoires
-  Fuses - accessories
-  Sicherungen - Zubehör
-  Fusibles - accessoires



**FU.953**  
Fuse tester - mini/norm (1)



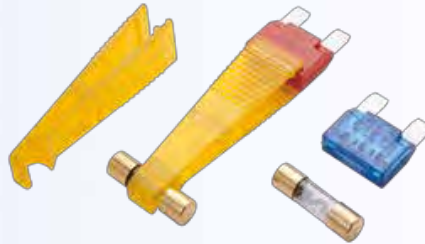
**FU.901**  
Fuse extr. norm/glas (10)







**FU.954**  
Fuse extr. norm/glas (10)



**FU.955**  
Fuse extr. mini/glas (10)



**FU.962**  
Fuse extr. maxi/glas (10)

-  Zekeringen - accessoires
-  Fuses - accessories
-  Sicherungen - Zubehör
-  Fusibles - accessoires



**FU.900BLS** Ceramic/glas  
10 pcs. (1)



**FU.903BLS** Norm fuses  
10 pcs. (1)



**FU.902BLS** Mini fuses  
10 pcs. (1)



**FU.899BLS** MiniFLP fuses  
10 pcs. (1)





# mato

# 10



Isolatiematerialen



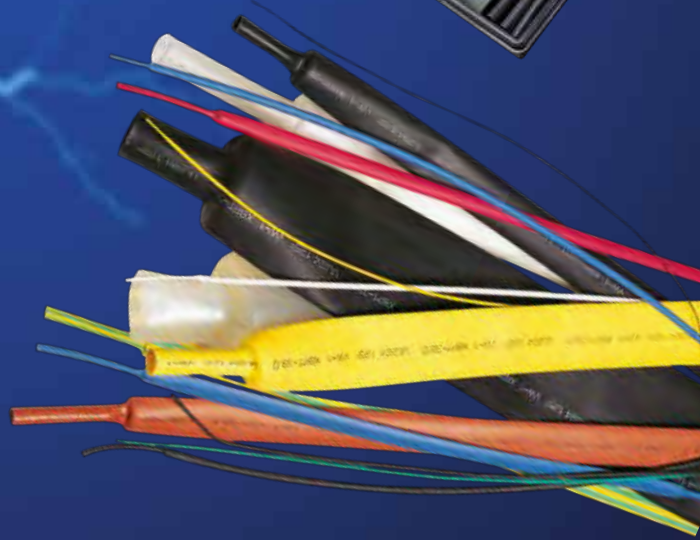
Insulating materials







Isolations Materialien



Matériau d'isolation



-  Krimpous met lijmlaag - doos
-  Heat shrink sleeving with adhesive inner layer - box
-  Schrumpfschlauch mit Klebe innenbeschichtung - Karton
-  Gaine thermoréactable à paroi mince avec colle - boîte

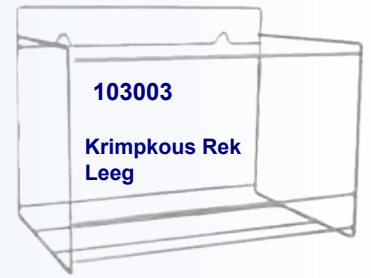
Ratio 3 : 1  
 ⚡ -55°C / +125°C  
 Contraction temp: 70°C  
 mat. Polyolefin - CE - UL 224 VW-1







**IP.017** ● 10 mtr    **IP.138** ● 8 mtr    **IP.018** ● 6 mtr    **IP.139** ● 6 mtr    **103225** ● 5 mtr    **IP.019** ● 5 mtr    **103232** ● 2.5 mtr  
 Ø 3.2 mm → Ø 1.0 mm    Ø 4.8 mm → Ø 1.6 mm    Ø 6.4 mm → Ø 2.2 mm    Ø 7.9 mm → Ø 2.7 mm    Ø 9.0 mm → Ø 3.0 mm    Ø 9.5 mm → Ø 3.2 mm    Ø 12 mm → Ø 4 mm

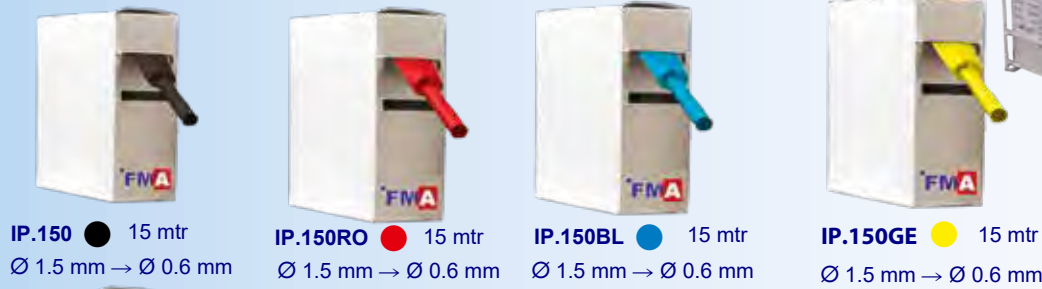


**IP.020** ● 4 mtr    **IP.140** ● 3 mtr    **103195** ● 2 mtr    **IP.021** ● 2.5 mtr    **103196** ● 2 mtr  
 Ø 12.7 mm → Ø 4.6 mm    Ø 15.0 mm → Ø 5.2 mm    Ø 18 mm → Ø 6 mm    Ø 19.1 mm → Ø 6.3 mm    Ø 24 mm → Ø 8 mm



-  Krimpous - doos
-  Heat shrink sleeving - box
-  Schrumpfschlauch - Karton
-  Gaine thermoréactable à paroi mince - boîte

Ratio 2 : 1  
 ⚡ -55°C / +125°C  
 Contraction temp: 70°C  
 mat. Polyolefin - CE - UL 224 VW-1



**IP.150** ● 15 mtr    **IP.150RO** ● 15 mtr    **IP.150BL** ● 15 mtr    **IP.150GE** ● 15 mtr  
 Ø 1.5 mm → Ø 0.6 mm    Ø 1.5 mm → Ø 0.6 mm    Ø 1.5 mm → Ø 0.6 mm    Ø 1.5 mm → Ø 0.6 mm







**IP.150GR** ● 15 mtr    **IP.150TR** ○ 15 mtr    **IP.150WI** ○ 15 mtr    **IP.150BR** ● 15 mtr    **IP.150GRY** ● 15 mtr  
 Ø 1.5 mm → Ø 0.6 mm    Ø 1.5 mm → Ø 0.6 mm    Ø 1.5 mm → Ø 0.6 mm    Ø 1.5 mm → Ø 0.6 mm    Ø 1.5 mm → Ø 0.6 mm

**Ratio 2 - 1 Ø 2.0 mm → Ø 0.8 mm**



**IP.008** ● 17 mtr    **IP.008BL** ● 17 mtr    **IP.008RO** ● 17 mtr    **IP.008GE** ● 17 mtr    **IP.008GG** ● 17 mtr  
 Ø 2.0 mm → Ø 0.8 mm    Ø 2.0 mm → Ø 0.8 mm    Ø 2.8 mm → Ø 0.8 mm    Ø 2.0 mm → Ø 0.8 mm    Ø 2.0 mm → Ø 0.8 mm  
**IP.008GR** ● 17 mtr    **IP.008TR** ○ 17 mtr    **IP.008WI** ○ 17 mtr  
 Ø 2.0 mm → Ø 0.8 mm    Ø 2.0 mm → Ø 0.8 mm    Ø 2.0 mm → Ø 0.8 mm

10-01

-  Krimpkaus - doos
-  Heat shrink sleeving - box
-  Schrumpfschlauch - Karton
-  Gaine thermoréactable à paroi mince - boîte

Ratio 2 : 1  
 -55°C / +125°C  
 Contraction temp: 70°C  
 mat. Polyolefin - CE - UL 224 VW-1

**Ratio 2 - 1 Ø 2.5 mm → Ø 1.0 mm**



**IP.009** ● 15 mtr  
 Ø 2.5 mm → Ø 1.0 mm



**IP.009BL** ● 15 mtr  
 Ø 2.5 mm → Ø 1.0 mm



**IP.009RO** ● 15 mtr  
 Ø 2.5 mm → Ø 1.0 mm



**IP.009GE** ● 15 mtr  
 Ø 2.5 mm → Ø 1.0 mm



**IP.009GG** ● 15 mtr  
 Ø 2.5 mm → Ø 1.0 mm



**IP.009GR** ● 15 mtr  
 Ø 2.5 mm → Ø 1.0 mm



**IP.009TR** ○ 15 mtr  
 Ø 2.5 mm → Ø 1.0 mm



**IP.009WI** ○ 15 mtr  
 Ø 2.5 mm → Ø 1.0 mm



**IP.009OR** ● 15 mtr  
 Ø 2.5 mm → Ø 1.0 mm

**Ratio 2 - 1 Ø 3.5 mm → Ø 1.5 mm**



**IP.010** ● 15 mtr  
 Ø 3.5 mm → Ø 1.5 mm



**IP.010BL** ● 15 mtr  
 Ø 3.5 mm → Ø 1.5 mm



**IP.010RO** ● 15 mtr  
 Ø 3.5 mm → Ø 1.5 mm



**IP.010GE** ● 15 mtr  
 Ø 3.5 mm → Ø 1.5 mm



**IP.010GG** ● 15 mtr  
 Ø 3.5 mm → Ø 1.5 mm



**IP.010GR** ● 15 mtr  
 Ø 3.5 mm → Ø 1.5 mm



**IP.010TR** ○ 15 mtr  
 Ø 3.5 mm → Ø 1.5 mm



**IP.010WI** ○ 15 mtr  
 Ø 3.5 mm → Ø 1.5 mm



**IP.010OR** ● 15 mtr  
 Ø 3.5 mm → Ø 1.5 mm

**Ratio 2 - 1 : Ø 4.8 mm → Ø 2.25 mm**



**IP.011** ● 12 mtr  
 Ø 4.8 mm → Ø 2.25 mm



**IP.011BL** ● 12 mtr  
 Ø 4.8 mm → Ø 2.25 mm



**IP.011RO** ● 12 mtr  
 Ø 4.8 mm → Ø 2.25 mm



**IP.011GE** ● 12 mtr  
 Ø 4.8 mm → Ø 2.25 mm



**IP.011GG** ● 12 mtr  
 Ø 4.8 mm → Ø 2.25 mm



**IP.011GR** ● 12 mtr

Ø 4.8 mm → Ø 2.25 mm



**IP.011TR** ○ 12 mtr

Ø 4.8 mm → Ø 2.25 mm







**IP.011WI** ○ 12 mtr

Ø 4.8 mm → Ø 2.25 mm



**IP.011OR** ● 12 mtr

Ø 4.8 mm → Ø 2.25 mm

-  Krimpkoos - doos
-  Heat shrink sleeving - box
-  Schrumpfschlauch - Karton
-  Gaine thermoréactible à paroi mince - boîte

Ratio 2 : 1

± -55°C / +125°C

Contraction temp: 70°C

mat. Polyolefin - CE - UL 224 VW-1

**Ratio 2 - 1 : Ø 6.5 mm → Ø 3.0 mm**



**IP.012** ● 12 mtr  
Ø 6.5 mm → Ø 3.0 mm



**IP.012BL** ● 12 mtr  
Ø 6.5 mm → Ø 3.0 mm



**IP.012RO** ● 12 mtr  
Ø 6.5 mm → Ø 3.0 mm



**IP012.GE** ● 12 mtr  
Ø 6.5 mm → Ø 3.0 mm



**IP.012GG** ● 12 mtr  
Ø 6.5 mm → Ø 3.0 mm



**IP.012GR** ● 12 mtr  
Ø 6.5 mm → Ø 3.0 mm



**IP.012TR** ○ 12 mtr  
Ø 6.5 mm → Ø 3.0 mm



**IP.012WI** ○ 12 mtr  
Ø 6.5 mm → Ø 3.0 mm



**IP.012OR** ● 12 mtr  
Ø 6.5 mm → Ø 3.0 mm

**Ratio 2 - 1 : Ø 9.5 mm → Ø 4.5 mm**



**IP.013** ● 8 mtr  
Ø 9.5 mm → Ø 4.5 mm



**IP.013BL** ● 8 mtr  
Ø 9.5 mm → Ø 4.5 mm



**IP.013RO** ● 8 mtr  
Ø 6.5 mm → Ø 3.0 mm



**IP.013GE** ● 8 mtr  
Ø 9.5 mm → Ø 4.5 mm



**IP.013GG** ● 8 mtr  
Ø 9.5 mm → Ø 4.5 mm



**IP.013GR** ● 8 mtr  
Ø 9.5 mm → Ø 4.5 mm



**IP.013TR** ○ 8 mtr  
Ø 9.5 mm → Ø 4.5 mm



**IP.013WI** ○ 8 mtr  
Ø 9.5 mm → Ø 4.5 mm



**IP.013OR** ● 8 mtr  
Ø 9.5 mm → Ø 4.5 mm

**Ratio 2 - 1 : Ø 13.5 mm → Ø 6.5 mm**



**IP.014** ● 8 mtr  
Ø 13.5 mm → Ø 6.5 mm



**IP.014BL** ● 8 mtr  
Ø 13.5 mm → Ø 6.5 mm



**IP.014RO** ● 8 mtr  
Ø 13.5 mm → Ø 6.5 mm



**IP.014GE** ● 8 mtr  
Ø 13.5 mm → Ø 6.5 mm



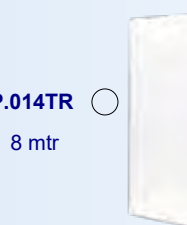
**IP.014GG** ● 8 mtr  
Ø 13.5 mm → Ø 6.5 mm



**IP.014GR** ● 8 mtr  
Ø 13.5 mm → Ø 6.5 mm







**IP.014TR** ○ 8 mtr  
Ø 13.5 mm → Ø 6.5 mm



**IP.014WI** ○ 8 mtr  
Ø 13.5 mm → Ø 6.5 mm



**IP.014OR** ● 8 mtr  
Ø 13.5 mm → Ø 6.5 mm

-  Krimpous - doos
-  Heat shrink sleeving - box
-  Schrumpfschlauch - Karton
-  Gaine thermoréactable à paroi mince - boîte

Ratio 2 : 1  
 -55°C / +125°C  
 Contraction temp: 70°C  
 mat. Polyolefin - CE - UL 224 VW-1

**Ratio 2 - 1 : Ø 16.5 mm → Ø 8.0 mm**



IP.040 ● 6 mtr

Ø 16.5 mm → Ø 8.0 mm



IP.040BL ● 6 mtr

Ø 16.5 mm → Ø 8.0 mm



IP.040RO ● 6 mtr

Ø 16.5 mm → Ø 8.0 mm



IP.040GE ● 6 mtr

Ø 16.5 mm → Ø 8.0 mm



IP.040GG ● 6 mtr

Ø 16.5 mm → Ø 8.0 mm



IP.040GR ●  
 Ø 16.5 mm → Ø 8.0 mm  
 6 mtr



IP.040TR ○  
 Ø 16.5 mm → Ø 8.0 mm  
 6 mtr



IP.040WI ○  
 Ø 16.5 mm → Ø 8.0 mm  
 6 mtr

**Ratio 2 - 1 : Ø 20.7 mm → Ø 10.0 mm**



IP.015 ● 5 mtr

Ø 20.7 mm → Ø 10.0 mm



IP.015BL ● 5 mtr

Ø 20.7 mm → Ø 10.0 mm



IP.015RO ● 5 mtr

Ø 20.7 mm → Ø 10.0 mm



IP.015OR ● 5 mtr

Ø 20.7 mm → Ø 10.0 mm

**Ratio 2 - 1 : Ø 25.7 mm → Ø 12.5 mm**



IP.016 ● 3 mtr

Ø 25.7 mm → Ø 12.5 mm



IP.016BL ● 3 mtr

Ø 25.7 mm → Ø 12.5 mm







IP.016RO ● 3 mtr

Ø 25.7 mm → Ø 12.5 mm



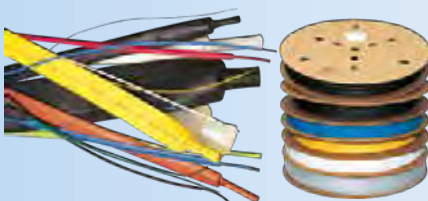
IP.016OR ● 3 mtr

Ø 25.7 mm → Ø 12.5 mm

-  Krimpous - haspel
-  Heat shrink sleeving - reel
-  Schrumpfschlauch - Spule
-  Gaine thermoréactable à paroi mince - bobine

Ratio 2 : 1  
 -55°C / +125°C  
 Contraction temp: 70°C  
 mat. Polyolefin - CE - UL 224 VW-1

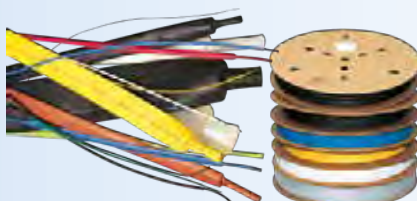
**Ratio 2 - 1 : Ø 1.5 mm → Ø 0.6 mm**



IP.024 ● IP.024GR ●  
 IP.024RO ● IP.024TR ○  
 IP.024BL ● IP.024WI ○  
 IP.024GE ● IP.024BR ●  
 IP.024GG ● IP.024GRY ●

vpe 200 mtr

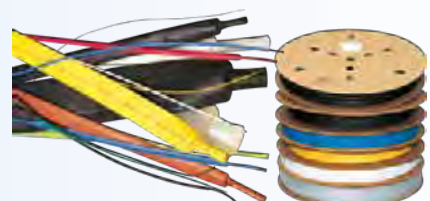
**Ratio 2 - 1 : Ø 2.0 mm → Ø 0.8 mm**



IP.025 ● IP.025GR ●  
 IP.025RO ● IP.025TR ○  
 IP.025BL ● IP.025WI ○  
 IP.025GE ● IP.025BR ●  
 IP.025GG ● IP.025GRY ●

vpe 200 mtr

**Ratio 2 - 1 : Ø 2.5 mm → Ø 1.0 mm**



IP.026 ● IP.026GR ●  
 IP.026RO ● IP.026TR ○  
 IP.026BL ● IP.026WI ○  
 IP.026GE ● IP.026BR ●  
 IP.026GG ● IP.026GRY ●

vpe 200 mtr



Krimpkaus - haspel

Heat shrink sleeving - reel

Schumpfschlauch - Spule

Gaine thermoréactable à paroi mince - bobine

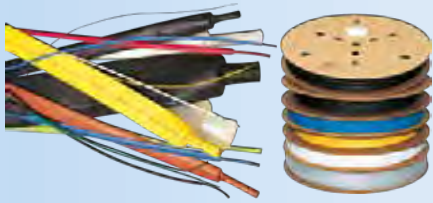
Ratio 2 : 1

-55°C / +125°C

Contraction temp: 70°C

mat. Polyolefin - CE - UL 224 VW-1

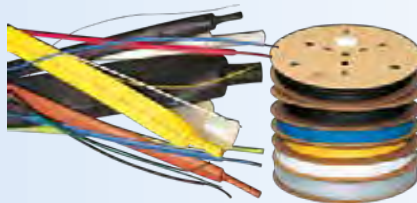
Ratio 2 - 1 Ø 3.5 mm - Ø 1.5 mm



- |          |   |           |   |
|----------|---|-----------|---|
| IP.027   | ● | IP.027GR  | ● |
| IP.027RO | ● | IP.027TR  | ○ |
| IP.027BL | ● | IP.027WI  | ○ |
| IP.027GE | ● | IP.027BR  | ● |
| IP.027GG | ● | IP.027GRY | ● |

vpe 200 mtr

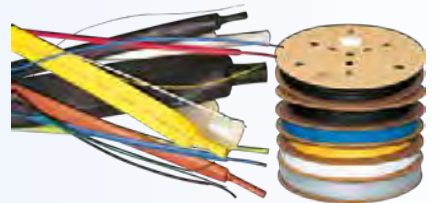
Ratio 2 - 1 : Ø 4.8 mm - Ø 2.25 mm



- |          |   |           |   |
|----------|---|-----------|---|
| IP.028   | ● | IP.028GR  | ● |
| IP.028RO | ● | IP.028TR  | ○ |
| IP.028BL | ● | IP.028WI  | ○ |
| IP.028GE | ● | IP.028BR  | ● |
| IP.028GG | ● | IP.028GRY | ● |

vpe 100 mtr

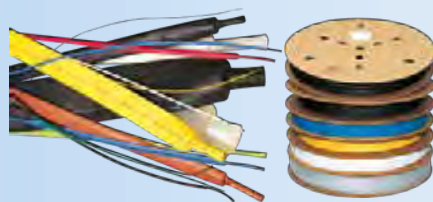
Ratio 2 - 1 : Ø 6.5 mm - Ø 3.0 mm



- |          |   |           |   |
|----------|---|-----------|---|
| IP.029   | ● | IP.029GR  | ● |
| IP.029RO | ● | IP.029TR  | ○ |
| IP.029BL | ● | IP.029WI  | ○ |
| IP.029GE | ● | IP.029BR  | ● |
| IP.029GG | ● | IP.029GRY | ● |

vpe 100 mtr

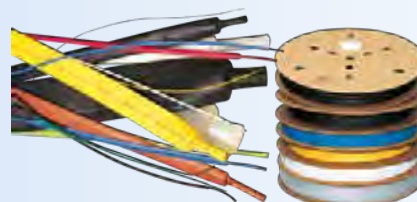
Ratio 2 - 1 : Ø 9.5 mm - Ø 4.5 mm



- |          |   |           |   |
|----------|---|-----------|---|
| IP.030   | ● | IP.030GR  | ● |
| IP.030RO | ● | IP.030TR  | ○ |
| IP.030BL | ● | IP.030WI  | ○ |
| IP.030GE | ● | IP.030BR  | ● |
| IP.030GG | ● | IP.030GRY | ● |

vpe 200 mtr

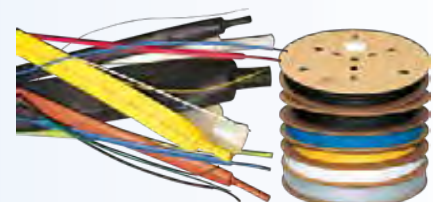
Ratio 2 - 1 : Ø 13.0 mm - Ø 6.5 mm



- |          |   |           |   |
|----------|---|-----------|---|
| IP.031   | ● | IP.031GR  | ● |
| IP.031RO | ● | IP.031TR  | ○ |
| IP.031BL | ● | IP.031WI  | ○ |
| IP.031GE | ● | IP.031BR  | ● |
| IP.031GG | ● | IP.031GRY | ● |

vpe 100 mtr

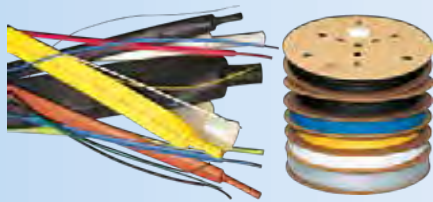
Ratio 2 - 1 : Ø 20.7 mm - Ø 10.0 mm



- |          |   |           |   |
|----------|---|-----------|---|
| IP.033   | ● | IP.033GR  | ● |
| IP.033RO | ● | IP.033TR  | ○ |
| IP.033BL | ● | IP.033WI  | ○ |
| IP.033GE | ● | IP.033BR  | ● |
| IP.033GG | ● | IP.033GRY | ● |

vpe 100 mtr

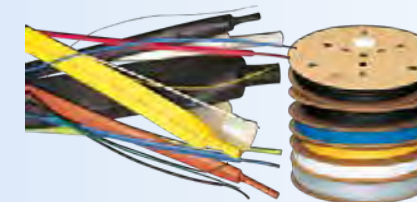
Ratio 2 - 1 : Ø 25.0 mm - Ø 12.5 mm



- |          |   |           |   |
|----------|---|-----------|---|
| IP.034   | ● | IP.034TR  | ○ |
| IP.034RO | ● | IP.034WI  | ○ |
| IP.034BL | ● | IP.034BR  | ● |
| IP.034GE | ● | IP.034GRY | ● |
| IP.034GR | ● |           |   |

vpe 50 mtr

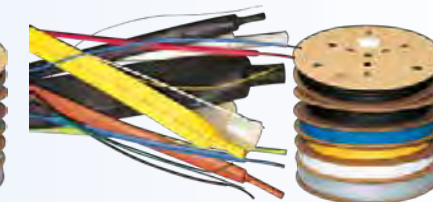
Ratio 2 - 1 : Ø 35.0 mm - Ø 17.5 mm



- |          |   |           |   |
|----------|---|-----------|---|
| IP.035   | ● | IP.035TR  | ○ |
| IP.035RO | ● | IP.035WI  | ○ |
| IP.035BL | ● | IP.035BR  | ● |
| IP.035GE | ● | IP.035GRY | ● |
| IP.035GR | ● |           |   |

vpe 25 mtr

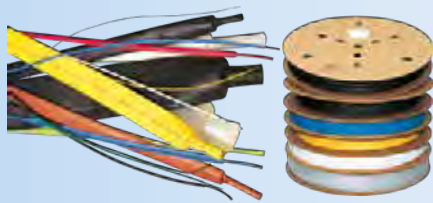
Ratio 2 - 1 : Ø 40.0 mm - Ø 20.0 mm



- |          |   |           |   |
|----------|---|-----------|---|
| IP.036   | ● | IP.036TR  | ○ |
| IP.036RO | ● | IP.036WI  | ○ |
| IP.036BL | ● | IP.036BR  | ● |
| IP.036GE | ● | IP.036GRY | ● |
| IP.036GR | ● |           |   |

vpe 25 mtr

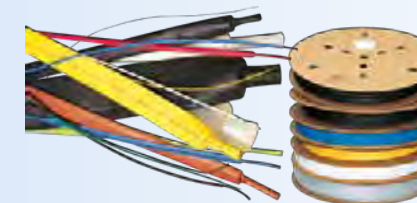
Ratio 2 - 1 : Ø 50.0 mm - Ø 26.0 mm



- |          |   |           |   |
|----------|---|-----------|---|
| IP.037   | ● | IP.037TR  | ○ |
| IP.037RO | ● | IP.037WI  | ○ |
| IP.037BL | ● | IP.037BR  | ● |
| IP.037GE | ● | IP.037GRY | ● |
| IP.037GR | ● |           |   |

vpe 25 mtr

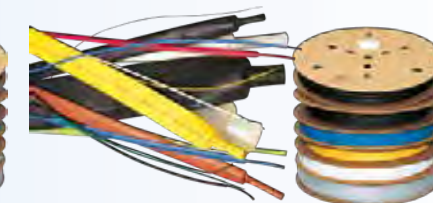
Ratio 2 - 1 : Ø 80.0 mm - Ø 40.0 mm



- |          |   |           |   |
|----------|---|-----------|---|
| IP.038   | ● | IP.038TR  | ○ |
| IP.038RO | ● | IP.038WI  | ○ |
| IP.038BL | ● | IP.038BR  | ● |
| IP.038GE | ● | IP.038GRY | ● |
| IP.038GR | ● |           |   |





vpe 20 mtr 10-05

Ratio 2 - 1 : Ø 100.0 mm - Ø 50.0 mm



- |          |   |           |   |
|----------|---|-----------|---|
| IP.039   | ● | IP.039TR  | ○ |
| IP.039RO | ● | IP.039WI  | ○ |
| IP.039BL | ● | IP.039BR  | ● |
| IP.039GE | ● | IP.039GRY | ● |
| IP.039GR | ● |           |   |

vpe 20 mtr

-  **Krimpous display**
-  **Heat shrink sleeving**
-  **Schrumpfschlauch**
-  **Gaine thermoréactable à paroi mince**




Ratio 2 : 1  
 -55°C / +125°C  
 Contraction temp: 70°C  
 mat. Polyolefin - CE - UL 224 VW-1

**2 : 1 - inhoud / contents / Inhalt / contenu**

IP.	Ø	Ø	L	vpe	
IP.025ZW1	●	2.0 mm	- 0.8 mm	-1 mtr	10
IP.026ZW1	●	2.5 mm	- 1.0 mm	-1 mtr	10
IP.027ZW1	●	3.5 mm	- 1.5 mm	-1 mtr	10
IP.028ZW1	●	4.8 mm	- 2.3 mm	-1 mtr	10
IP.029ZW1	●	6.5 mm	- 3.0 mm	-1 mtr	10
IP.030ZW1	●	9.5 mm	- 4.5 mm	-1 mtr	5
IP.031ZW1	●	13.5 mm	- 6.5 mm	-1 mtr	5
IP.032ZW1	●	20.0 mm	- 10.0 mm	-1 mtr	3
IP.033ZW1	●	25.0 mm	- 12.5 mm	-1 mtr	3

**AS.221  
DISPLAY 675 mtr**



-  **Krimpous - Assortimenten**
-  **Heat shrink sleeving - Kits**
-  **Schrumpfschlauch - Sortimente**
-  **Gaine thermoréactable à paroi mince - Assortiments**

**3 : 1 - inhoud / contents / Inhalt / contenu**







IP.	Ø	Ø	L	vpe	
IP.162	●	3.0 mm	→ 1.0 mm	- L 40 mm	15 pcs.
IP.163	●	6.0 mm	→ 2.0 mm	- L 40 mm	12 pcs.
IP.164	●	19.0 mm	→ 6.0 mm	- L 40 mm	10 pcs.
IP.165	●	3.0 mm	→ 1.0 mm	- L 40 mm	15 pcs.
IP.166	●	6.0 mm	→ 2.0 mm	- L 40 mm	12 pcs.
IP.167	●	19.0 mm	→ 6.0 mm	- L 40 mm	10 pcs.
IP.168	●	3.0 mm	→ 1.0 mm	- L 40 mm	15 pcs.
IP.169	●	6.0 mm	→ 2.0 mm	- L 40 mm	12 pcs.
IP.170	●	19.0 mm	→ 6.0 mm	- L 40 mm	10 pcs.
IP.171	●	3.0 mm	→ 1.0 mm	- L 40 mm	15 pcs.
IP.172	●	6.0 mm	→ 2.0 mm	- L 40 mm	12 pcs.
IP.173	●	19.0 mm	→ 6.0 mm	- L 40 mm	10 pcs.
IP.174	○	3.0 mm	→ 1.0 mm	- L 40 mm	15 pcs.
IP.175	○	6.0 mm	→ 2.0 mm	- L 40 mm	12 pcs.
IP.176	○	19.0 mm	→ 6.0 mm	- L 40 mm	10 pcs.
IP.177	●	3.0 mm	→ 1.0 mm	- L 40 mm	15 pcs.
IP.178	●	6.0 mm	→ 2.0 mm	- L 40 mm	9 pcs.
IP.179	●	19.0 mm	→ 6.0 mm	- L 40 mm	3 pcs.

**Ratio 2 : 1 inhoud / contents / Inhalt / contenu**

IP.	Ø	Ø	L	vpe	
IP.153	●	1.2 mm	- 0.6 mm	- L 40 mm	40 pcs
IP.154	●	2.5 mm	- 1.0 mm	- L 40 mm	40 pcs
IP.155	●	3.5 mm	- 1.5 mm	- L 40 mm	40 pcs
IP.156	●	4.8 mm	- 2.3 mm	- L 40 mm	40 pcs
IP.157	●	6.5 mm	- 3.0 mm	- L 40 mm	40 pcs
IP.158	●	9.5 mm	- 4.5 mm	- L 40 mm	20 pcs
IP.159	●	13.0 mm	- 6.5 mm	- L 40 mm	20 pcs
IP.160	●	20.0 mm	- 10.0 mm	- L 40 mm	20 pcs
IP.161	●	25.0 mm	- 12.5 mm	- L 40 mm	6 pcs



**TO.077  
Fohn  
2000 Watt  
Temperatuurbereik +50 - +600°C  
LCD-Display  
Traploze temperatuurregeling  
inclusief 4 toebehoren**

-  **Krimpous - dikwandig**
-  **Heat shrink sleeving - thick wall**
-  **Schrumpfschlauch - Starkwändig**
-  **Gaine thermoréactable à paroi mince plus épaisse**

Ratio 3 : 1  
 -55°C / +125°C  
 Contraction temp: 70°C  
 mat. Polyolefin - CE - UL 224 VW-1



**111542-000**  
 Ø 10.0 mm - Ø 3.3 mm  
 - 152 mm.







**6-1199100-4**  
 Ø 19.0 mm - Ø 6.5 mm  
 - 305 mm.



**603111-1**  
 Ø 27.9 mm - Ø 9.5 mm  
 - 305 mm.



**603112-1**  
 Ø 37.1 mm - Ø 12.4 mm  
 - 305 mm.

-  Brandstof / Ruitensproeier slang
  -  Fuel / Screenwasher tubing
  -  Kraftstoff / Scheibenwischer Schlauch
  -  Tuyeau de carburant
- PVC
- 🌡️ 78°C (+/-0.2)



IP.141 ○

Ø 2.0 mm - Ø 4.0 mm

5 mtr



IP.142 ○

Ø 3.0 mm - Ø 5.0 mm

5 mtr



IP.143 ○

Ø 4.0 mm - Ø 7.0 mm

5 mtr



IP.144 ○

Ø 5.0 mm - Ø 8.0 mm

5 mtr



IP.145 ○

Ø 6.0 mm - Ø 8.0 mm

5 mtr



IP.146 ○

Ø 7.0 mm - Ø 10.0 mm

5 mtr



IP.147 ○

Ø 8.0 mm - Ø 12.0 mm

5 mtr



IP.148 ○

Ø 10.0 mm - Ø 14.0 mm

5 mtr







IP.149 ○

Ø 12.0 mm - Ø 16.0 mm

5 mtr



- IP.141-50 ○ Ø 2.0 mm - Ø 4.0 mm 50 mtr
- IP.142-50 ○ Ø 3.0 mm - Ø 5.0 mm 50 mtr
- IP.143-50 ○ Ø 4.0 mm - Ø 7.0 mm 50 mtr
- IP.144-50 ○ Ø 5.0 mm - Ø 8.0 mm 50 mtr
- IP.145-50 ○ Ø 6.0 mm - Ø 8.0 mm 50 mtr
- IP.146-50 ○ Ø 7.0 mm - Ø 10.0 mm 50 mtr
- IP.147-50 ○ Ø 8.0 mm - Ø 12.0 mm 50 mtr
- IP.148-50 ○ Ø 10.0 mm - Ø 14.0 mm 50 mtr
- IP.149-50 ○ Ø 12.0 mm - Ø 16.0 mm 50 mtr





-  Isolatiekous - zwart
-  Insulating sleeving - black
-  Isolierschlauch - schwarz
-  Gaine de protection - noir

DIN 40621  
 🌡️ -40°C / +90°C  
 mat. PVC



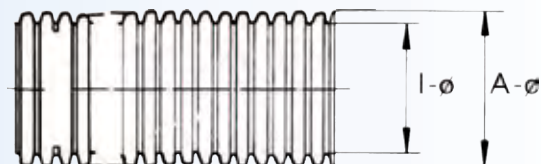
	Diam. Ø	vpe
IP.001	● Ø 4 mm	50 mtr.
IP.002	● Ø 5 mm	50 mtr.
IP.003	● Ø 6 mm	50 mtr.
IP.004	● Ø 8 mm	50 mtr.
IP.005	● Ø 10 mm	50 mtr.
IP.006	● Ø 12 mm	50 mtr.
IP.007	● Ø 16 mm	50 mtr.








-  **Spiraalbuis - gesloten - zelfdovend polyamide 6.6**
-  **Non split corrugated conduit - self extinguishing polyamide 6.6**
-  **Wellrohr - geschlossen - selbstverlöschend Polyamid 6.6**
-  **Gaine de protection / annelée - non fendue - autoextinguible polyamide 6.6**

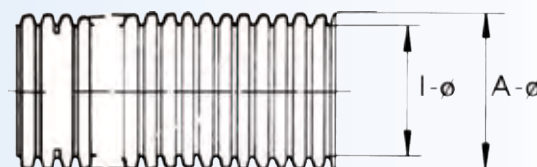
ADR/GGVS -Harnessflex  
 NFR13/903 - FMVSS 302 - EN50086  
 -30°C / +120°C

	kleur	diam. in Ø diam. out	vpe
IP.104	●	NC06: Ø 4.5 mm - Ø 7.1 mm	50 mtr.
IP.105	●	NC08: Ø 6.5 mm - Ø 10.0 mm	50 mtr.
IP.106	●	NC10: Ø 8.4 mm - Ø 11.5 mm	50 mtr.
IP.107	●	NC12: Ø 9.9 mm - Ø 13.0 mm	50 mtr.
IP.108	●	NC16: Ø 12.7 mm - Ø 16.1 mm	50 mtr.
IP.109	●	NC18: Ø 14.2 mm - Ø 18.5 mm	50 mtr.
IP.110	●	NC20: Ø 16.6 mm - Ø 21.2 mm	50 mtr.
IP.111	●	NC25: Ø 21.3 mm - Ø 25.6 mm	50 mtr.
IP.151	●	NC28: Ø 28.8 mm - Ø 24.5 mm	50 mtr.
IP.112	●	NC32: Ø 35.2 mm - Ø 42.5 mm	25 mtr.
IP.113	●	NC40: Ø 46.5 mm - Ø 64.5 mm	25 mtr.
IP.114	●	NC50: Ø 54.2 mm - Ø 78.5 mm	25 mtr.
IP.116	●	NC65: Ø 63.8 mm - Ø 88.5 mm	25 mtr.
IP.117	●	NC90: Ø 88.8 mm - Ø 98.5 mm	25 mtr.







-  **Spiraalbuis - deelbaar - zelfdovend polyamide 6**
-  **Divisible corrugated conduit - self extinguishing polyamide 6 Wellrohr -**
-  **Teilbar - selbstverlöschend Polyamid 6**
-  **Gaine de protection / divisible - non fendue - autoextinguible polyamide 6**

Co-flex  
 UL 94 V2 - UV bestending  
 -40°C / +150°C





Artikel-Nr.	Wanddikte mm	Nominaal mm	Buiten-Ø mm	Binnen-Ø mm	Buigradius mm	VE
PPDC6	0,1	6	10	6,3	30	Meter 50
PPDC10	0,15	10	13,5	8,8	55	Meter 50
PPDC14	0,2	14	18,7	13,2	75	Meter 50
PPDC20	0,3	20	25,7	20,2	105	Meter 50
PPDC23	0,3	23	31,3	23,9	125	Meter 50
PPDC37	0,3	37	43,2	32,5	170	Meter 25

-  Spiraalbuis - gesloten - zelfdovend polyamide 6.6
-  Non split corrugated conduit - self extinguishing polyamide 6.6
-  Wellrohr - geschlossen - selbstverlöschend Polyamid 6.6
-  Gaine de protection / annelée - non fendue - autoextinguible polyamide 6.6

EVs -Harnessflex  
 NFR13/903 - FMVSS 302 - EN50086  
 -30°C / +120°C

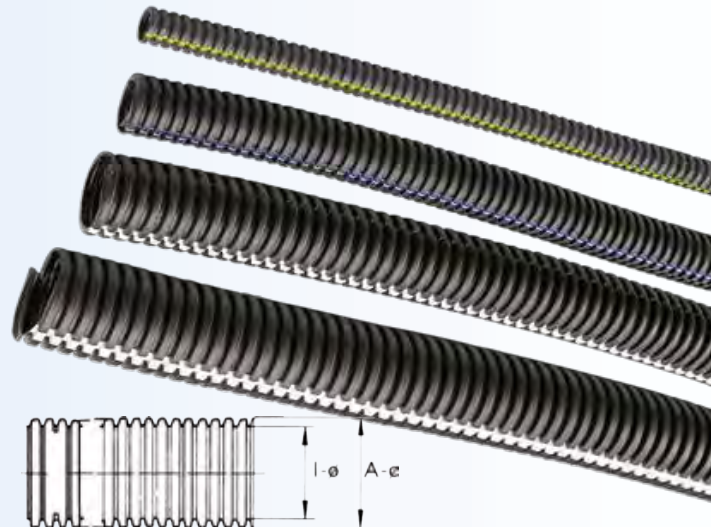






IP.107BL kleur ●	IP.107OR kleur ●	IP.108OR kleur ●	IP.110OR kleur ●	IP.111OR kleur ●
NC12: diam. in Ø 9.9 mm diam. out Ø 13.0 mm	NC12: diam. in Ø 9.9 mm diam. out Ø 13.0 mm	NC16: diam. in Ø 12.7 mm diam. out Ø 16.1 mm	NC20: diam. in Ø 16.6 mm diam. out Ø 21.2 mm	NC25: diam. in Ø 21.3 mm diam. out Ø 25.6 mm
<b>vpe</b> 100 mtr.	<b>vpe</b> 50 mtr.	<b>vpe</b> 50 mtr.	<b>vpe</b> 50 mtr.	<b>vpe</b> 50 mtr.

-  Spiraalbuis - open - zelfdovend polypropyleen
-  Split corrugated conduit - self extinguishing polypropylene
-  Wellrohr - offen/geschlitzt - selbstverlöschend Polyäthylen
-  Gaine de protection / annelée - fendue - autoextinguible polypropylène

UV resistant - Delfingen  
 ISO 527 - ISO 1183 - FMVSS 302  
 -30°C / +105°C  
 PPAE

	diam. in Ø	diam. out	<b>vpe</b>
IP.091 ●	Ø 4.5 mm	- Ø 7.2 mm	100 mtr.
IP.092 ●	Ø 6.0 mm	- Ø 9.5 mm	100 mtr.
IP.093 ●	Ø 9.0 mm	- Ø 13.3 mm	100 mtr.
IP.094 ●	Ø 11.0 mm	- Ø 16.4 mm	100 mtr.
IP.095 ●	Ø 13.0 mm	- Ø 18.4 mm	100 mtr.
IP.096 ●	Ø 16.0 mm	- Ø 21.2 mm	50 mtr.
IP.097 ●	Ø 19.0 mm	- Ø 24.0 mm	50 mtr.
IP.098 ●	Ø 23.0 mm	- Ø 28.6 mm	25 mtr.
IP.099 ●	Ø 26.0 mm	- Ø 31.7 mm	25 mtr.
IP.102 ●	Ø 29.0 mm	- Ø 35.9 mm	25 mtr.
IP.103 ●	Ø 32.0 mm	- Ø 39.4 mm	25 mtr.







-  Spiraalbuis - gesloten - zelfdovend polypropyleen
-  Non split corrugated conduit - self extinguishing polypropylene
-  Wellrohr - geschlossen - selbstverlöschend Polyäthylen
-  Gaine de protection / annelée - non fendue - autoextinguible polypropylène

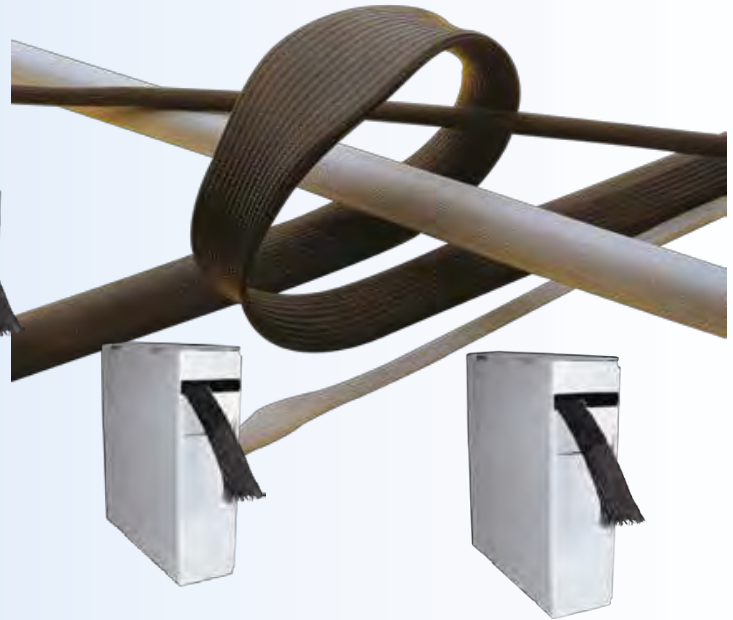
UV resistant - Delfingen  
 ISO 527 - ISO 1183 - FMVSS 302  
 -30°C / +105°C  
 PPAE

kleur	diam. in Ø	diam. out	<b>vpe</b>
IP.080 ●	Ø 4.5 mm	- Ø 7.2 mm	100 mtr.
IP.081 ●	Ø 6.0 mm	- Ø 9.5 mm	100 mtr.
IP.082 ●	Ø 9.0 mm	- Ø 13.3 mm	100 mtr.
IP.083 ●	Ø 11.0 mm	- Ø 16.4 mm	100 mtr.
IP.084 ●	Ø 13.0 mm	- Ø 18.4 mm	100 mtr.
IP.085 ●	Ø 16.0 mm	- Ø 21.2 mm	50 mtr.
IP.086 ●	Ø 19.0 mm	- Ø 24.0 mm	50 mtr.
IP.087 ●	Ø 23.0 mm	- Ø 28.6 mm	25 mtr.
IP.088 ●	Ø 26.0 mm	- Ø 31.7 mm	25 mtr.
IP.089 ●	Ø 29.0 mm	- Ø 35.9 mm	25 mtr.
IP.090 ●	Ø 32.0 mm	- Ø 39.4 mm	25 mtr.







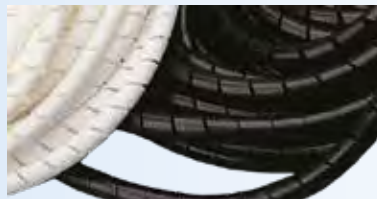
-  **Isolatiekous / gevlochten**
-  **Isolation sleeving / braided**
-  **Isolierschlauch / geflochten**
-  **Gaine de protection / tressée**

Thermo Polyester  
 -50°C / +150°C  
 Periflex







	kleur	Ratio Ø ± 1 : 2	vpe
IP.071	●	Ø 3.0 mm - Ø 5.0 mm	20 mtr.
IP.072	●	Ø 5.0 mm - Ø 8.5 mm	20 mtr.
IP.073	●	Ø 6.0 mm - Ø 10.0 mm	20 mtr.
IP.074	●	Ø 10.0 mm - Ø 17.0 mm	15 mtr.
IP.075	●	Ø 15.0 mm - Ø 25.0 mm	10 mtr.
IP.076	●	Ø 20.0 mm - Ø 34.0 mm	10 mtr.
IP.077	●	Ø 25.0 mm - Ø 42.0 mm	8 mtr.
IP.078	●	Ø 40.0 mm - Ø 50.0 mm	5 mtr.
IP.079	●	Ø 50.0 mm - Ø 65.0 mm	4 mtr.
IP.073100	●	Ø 6.0 mm - Ø 10.0 mm	100 mtr.
IP.074100	●	Ø 10.0 mm - Ø 17.0 mm	100 mtr.
IP.07550	●	Ø 15.0 mm - Ø 25.0 mm	50 mtr.

-  **Spirap spiraalbundelslang** mat. PE/PP
-  **Slit wrap cable binding** -60°C / +85°C
-  **Spiralschlauch**
-  **Frette élastique spiralee**



		Ratio Ø ±	vpe		Ratio Ø ±	vpe	
IP.124	○	Ø 2.5- 4.0 - Ø 15.0 mm	50 mtr.	IP.125	●	Ø 2.5- 4.0 - Ø 15.0 mm	50 mtr.
IP.126	○	Ø 4.0- 6.0 - Ø 35.0 mm	50 mtr.	IP.127	●	Ø 4.0- 6.0 - Ø 35.0 mm	50 mtr.
IP.128	○	Ø 6.0- 8.0 - Ø 50.0 mm	50 mtr.	IP.129	●	Ø 6.0- 8.0 - Ø 50.0 mm	50 mtr.
IP.130	○	Ø 9.0-11.0 - Ø 60.0 mm	50 mtr.	IP.131	●	Ø 9.0-11.0 - Ø 60.0 mm	50 mtr.
IP.132	○	Ø 12.0-15.0 - Ø 70.0 mm	25 mtr.	IP.133	●	Ø 12.0-15.0 - Ø 70.0 mm	25 mtr.
IP.134	○	Ø 16.0-20.0 - Ø 80.0 mm	25 mtr.	IP.135	●	Ø 16.0-20.0 - Ø 80.0 mm	25 mtr.
IP.136	○	Ø 20.0-24.0 - Ø 100.0 mm	25 mtr.	IP.137	●	Ø 20.0-24.0 - Ø 100.0 mm	25 mtr.


-  **Klittenband - Back to Back**
-  **Velcro - Back to Back**
-  **Klettverschluss - Rücken an Rücken**
-  **Velcro - dos à dos**

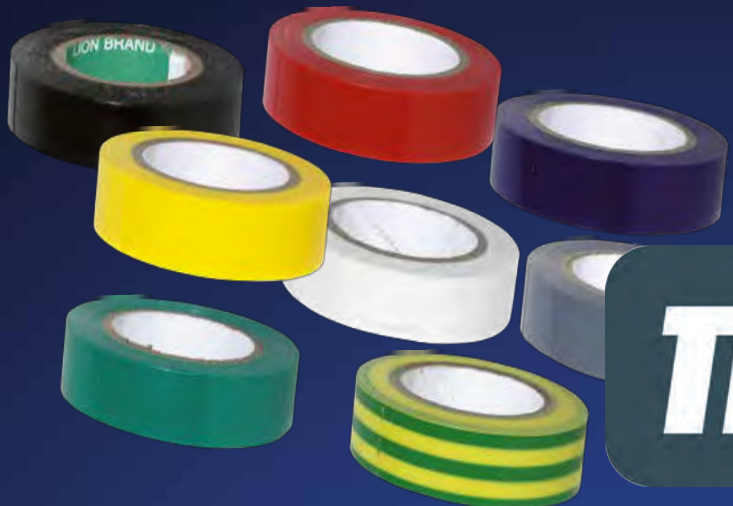
IP.308	Back to Back - 12 mm	●	vpe 50 mtr.
IP.309	Back to Back - 20 mm	●	vpe 25 mtr.
IP.310	Back to Back - 25 mm	●	vpe 25 mtr.



-  **Klittenband - zelf klevend**
-  **Hook and loop band - selfadhasive Haken**
-  **und Schlingen Band - selbstklebend**
-  **Velcro - auto-adhésif**

NYLON / PA - life cycle 1000x  
 adhesion strength 2.6kgs/cm<sup>2</sup>  
 -18°C / +104°C

	Type	vpe		Type	vpe	
IP.254	● Hook - 10 mm	5 mtr.		IP.264	○ Hook - 10 mm	5 mtr.
IP.255	● Loop - 10 mm	5 mtr.		IP.265	○ Loop - 10 mm	5 mtr.
IP.256	● Hook - 16 mm	5 mtr.		IP.266	○ Hook - 16 mm	5 mtr.
IP.257	● Loop - 16 mm	5 mtr.		IP.267	○ Loop - 16 mm	5 mtr.
IP.258	● Hook - 20 mm	5 mtr.		IP.268	○ Hook - 20 mm	5 mtr.
IP.259	● Loop - 20 mm	5 mtr.		IP.269	○ Loop - 20 mm	5 mtr.
IP.260	● Hook - 25 mm	5 mtr.		IP.270	○ Hook - 25 mm	5 mtr.
IP.261	● Loop - 25 mm	5 mtr.		IP.271	○ Loop - 25 mm	5 mtr.
IP.262	● Hook - 100 mm	5 mtr.		IP.272	○ Hook - 100 mm	5 mtr.
IP.263	● Loop - 100 mm	5 mtr.		IP.273	○ Loop - 100 mm	5 mtr.

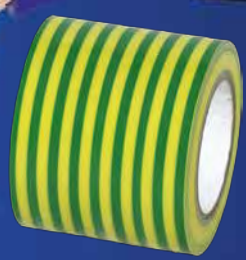




**mato**

11



- Isolatietape
- Insulating tape
- Isolierband
- Ruban électrique isolant



 Electrotape  
 Insulating tape  
 Isolierband  
 Ruban électrique isolant

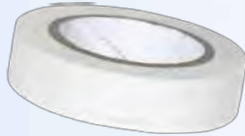
PVC 0,15 mm  
 DIN 46031 - 40633 / VDE 340/1  
 -5°C / +90°C  
 9KV/MM



10 mtr - 15 mm



IP.200 



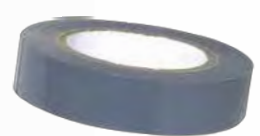
IP.201 



IP.202 



IP.203 



IP.204 



IP.205 



IP.206 



IP.207 



IP.294 

10 mtr - 19 mm



IP.208 



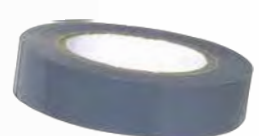
IP.209 



IP.210 



IP.211 



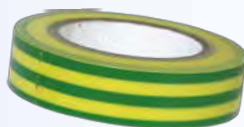
IP.212 



IP.213 




IP.214 



IP.215 

20 mtr - 25 mm



IP.216 



IP.217 



IP.218 



IP.219 



IP.220 



IP.221 

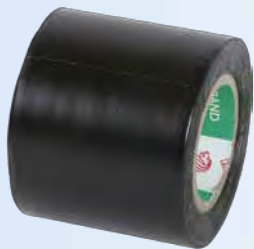


IP.222 



IP.223 

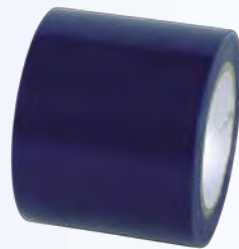
10 mtr - 50 mm



IP.232 



IP.233 



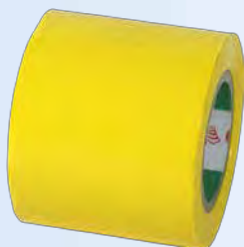
IP.234 



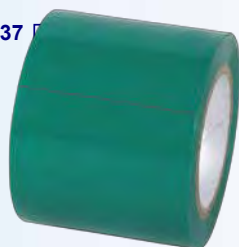
IP.235 



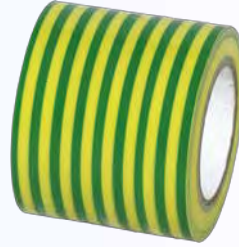
IP.236 



IP.237 

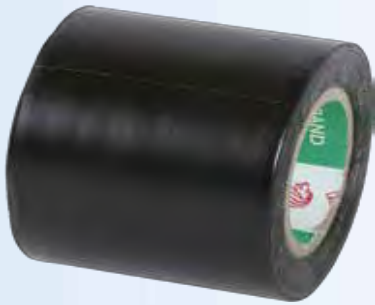


IP.238 



IP.239 

-  **Electrotape** PVC 0,15 mm
-  **Insulating tape** DIN 46031 - 40633 / VDE 340/1
-  **Isolierband** -5°C / +90°C
-  **Ruban électrique isolant** 9KV/MM



10 mtr - 100 mm

IP.199 

-  **Electrotape Oranje** PVC 0,15 mm
-  **Insulating tape Orange** DIN 46031 - 40633 / VDE
-  **Isolierband Orange** 340/1 -5°C / +90°C
-  **Ruban électrique isolant Orange** 9KV/MM



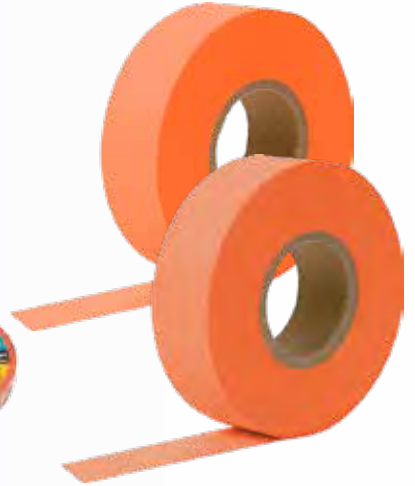
33 mtr - 19 mm

IP.306 



33 mtr - 50 mm

IP.307 



-  **Duct tape - polyethyleen geïmpregneerd** 0.30mm/70mesh
-  **Cotten cloth tape - polyethylene impregnated** DIN 40633/2 - / VDE 340/2
-  **Gewebeband / baumwolle - Poly-Äthylen imprägniert** -25°C / +100°C
-  **Ruban tissu coton imprégné polyéthylène** As 1.0 kgs/25 mm<sup>2</sup> - Ts 12.0 kgs/25 mm<sup>2</sup>

50 mtr - 50 mm



IP.240 



IP.241 



IP.243 



IP.242 



IP.247 



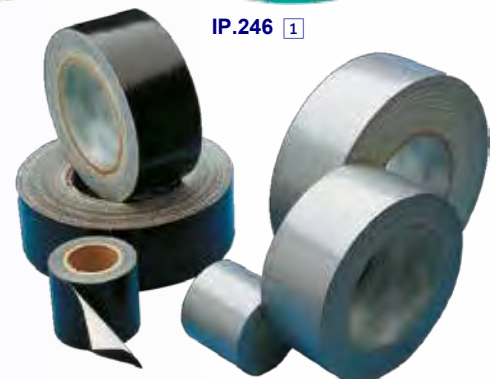
IP.244 



IP.245 



IP.246 





- Self-fusing tape - etyleen/propyleen rubber - met lijm
- Self-fusing ethenpropylene rubber tape - with adhesive
- Selbst vulkanisierendes Äthylen-Propylen Kautschuk Isolierband - mit Kleber
- Ruban électrique isolant vulcanisé - éthylène-propylène / caoutchouc - avec adhésif

EPR - 0.75 mm  
vulc/amal. 550%  
-40°C / +130°C  
20 KV/

10 mtr - 19 mm

10 mtr - 25 mm

10 mtr - 38 mm

10 mtr - 50 mm



IP.248

IP.249

IP.250

IP.251



- Dubbelzijdig foam tape - polyethyleen / dubbelzijdig
- Foam tape - polyethylene / twoside adhesive
- Foam-isolierband Poly Äthylen/ doppelseitig klebend
- Ruban foam isolant - polyéthylène/ double adhésif

CT - 0.8 mm  
adhesion strength 200kgs/m<sup>2</sup>  
+70°C  
UV resistant - water resistant

10 mtr - 12 mm

10 mtr - 19 mm

10 mtr - 25 mm



IP.290

IP.291

IP.292



- Teflon tape / PFTE
- Insulating-tape / non adhesive Teflon
- Abdichtungsband / nicht klebend Teflon
- Rubans isolants / Teflon / non adhésif

PFTE 0.1 mm -5°C / +90°C CE  
50 mtr - 15 mm



IP.100



- Aluminium-tape / hitte bestendig - zilver
- Aluminium-tape / heat resistant - silver
- Aluminium-isolierband / Hitzebeständig - Silber
- Ruban électrique isolant aluminium - résistant à la chaleur - argent

Adhesive: acryl 0.090 mm -5°C / +90°C CE  
50 mtr - 50 mm



IP.252



Linnen isolatieband / enkelzijdig - rubber geïmpregneerd  
 Insulating-tape / textile basis - twoside adhesive rubber impregnated  
 Isolierband / Textilgewebe einseitig klebend -Kautschuk imprägniert  
 Ruban électriques isolants textile / single adhésif - caoutchouc imprégné

-5°C / +90°C

30-60 KV/MM



15 mtr - 19 mm

IP.305 1



25 mtr - 19 mm

IP.293 1



25 mtr - 38 mm

IP.311 1



Afplaktape - professionele kwaliteit  
 Masking tape - professional quality  
 Klebeband / Abdeckband professionelle Qualität  
 Ruban de masquage - Norme de qualité professionnel

0.0125 mm

+ 90°C

K: 6.4 N/25mm

S: 86 N/25mm



IP.280

50 mtr - 15 mm - 15



IP.281

50 mtr - 19 mm - 12



IP.282

50 mtr - 25 mm - 9



IP.284

50 mtr - 38 mm - 6



IP.283

50 mtr - 50 mm - 6



Afplaktape - standaard kwaliteit  
 Masking tape - standard quality  
 Klebeband / Abdeckband - Standart Qualität  
 Ruban de masquage - Norme de qualité standard

0.0125 mm

+90°C

K: 6.4 N/25mm

S: 86 N/25mm



IP.285

50 mtr - 15 mm - 15



IP.286

50 mtr - 19 mm - 12



IP.287

50 mtr - 25 mm - 9



IP.288

50 mtr - 38 mm - 6



IP.289

50 mtr - 50 mm - 6



Rescue tape 0.0125 mm  
 Rescue tape temp. max +260°C dim.  
 Rescue tape 25.4 x 3.65 x 0.5 Electr.  
 Rescue tape Isol. 8000V



IP.300 ● 1



IP.297 ● 1



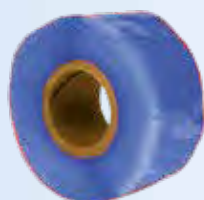
IP.304 ● 1



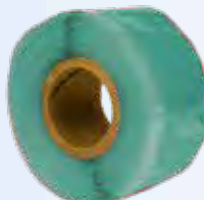
IP.298 ● 1



IP.303 ● 1



IP.301 ● 1



IP.302 ● 1



IP.299 ○ 1





**mato**

12



Stekers & stekerdozen



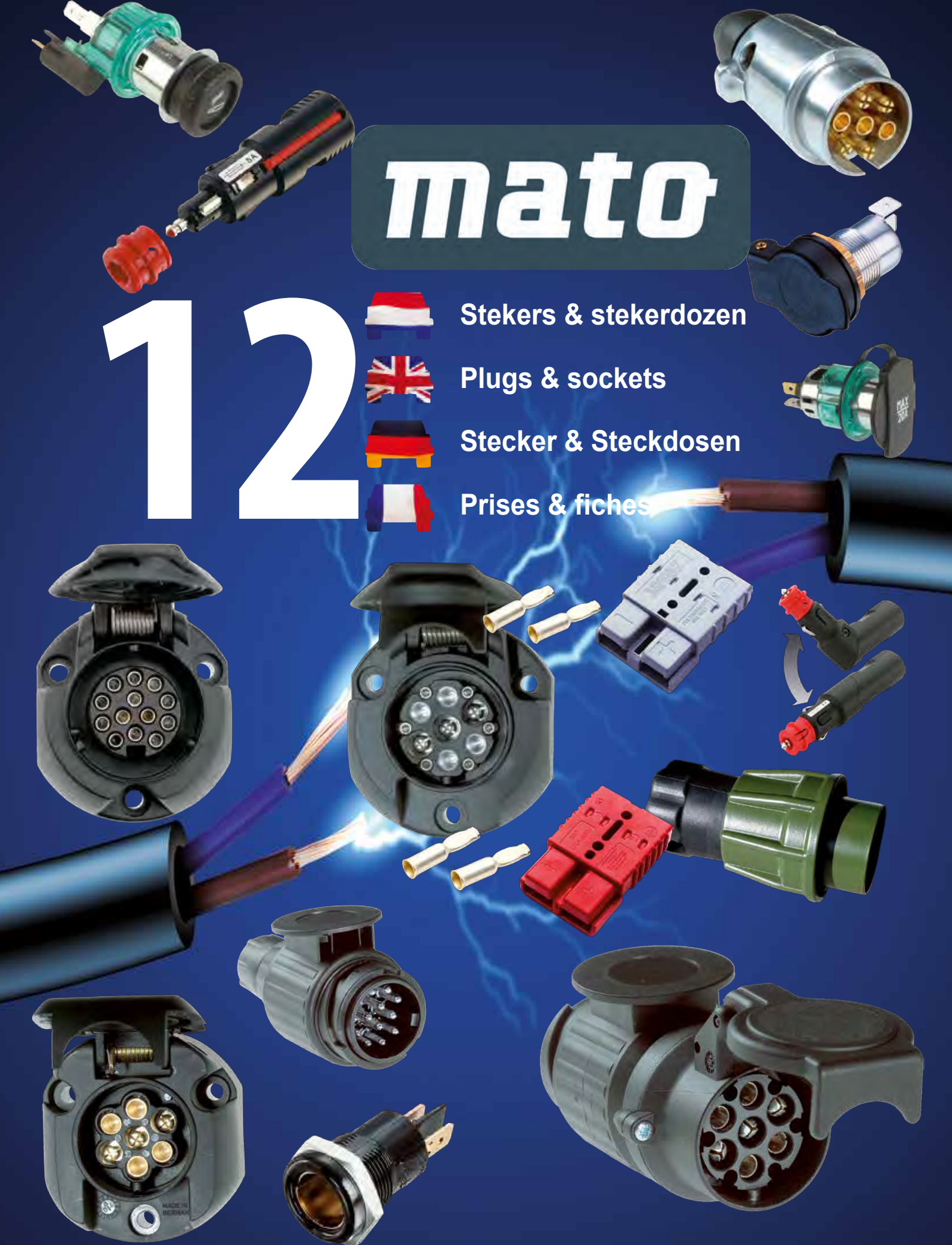
Plugs & sockets







Stecker & Steckdosen



Prises & fiches





-  Stekers 1 polig - universeel - met trekontlasting
-  Plugs 1 pin - universal - with pull relief
-  Universal Stecker 1 Polig - Zugentlastung
-  Fiches à 1 pôle- universel - avec serre-câble



DIN / ISO 4165





SD.002

V 12 - 24 V W 15 A  
 12 mm  
 max. 2.5 mm<sup>2</sup>  
 vpe 1



SD.431

V 12 - 24 V W 15 A  
 12 mm  
 max. 2.5 mm<sup>2</sup>  
 vpe 1



SD.001

V 12 - 24 V W 8 A  
 12 / 20.4 mm  
 max. 2.5 mm<sup>2</sup>  
 vpe 1

SD.003



V 12 - 24 V W 16 A  
 12 / 20.4 mm  
 max. 2.5 mm<sup>2</sup>  
 vpe 1

SD.016

V 12 - 24 V W 8 A  
 12 / 20.4 mm  
 max. 2.5 mm<sup>2</sup>  
 vpe 1





SD.017

V 12 - 24 V W 8 A  
 12 / 20.4 mm  
 max. 2.5 mm<sup>2</sup>  
 X  
 vpe 1





SD.421

V 12 - 24 V W 16 A  
 12 / 20.4 mm  
 max. 2.5 mm<sup>2</sup>  
 X  
 vpe 1





SD.422

V 12 - 24 V W 16 A  
 12 / 20.4 mm  
 max. 2.5 mm<sup>2</sup>  
 X  
 vpe 1









SD.018

V 12 - 24 V W 7.5 A  
 12 / 20.4 mm  
 max. 2.5 mm<sup>2</sup>  
 X  
 vpe 1



SD.423


V 12 - 24 V W 8 A  
 12 / 20.4 mm  
 max. 2.5 mm<sup>2</sup>  
 vpe 1

-  Stekerdozen 1 polig - universeel
-  Sockets 1 pin - universal
-  Universal Steckdosen 1 Polig
-  Prises à 1 pôle - universel

DIN / ISO 4165



SD.004

V 12 - 24 V W 16 A  
 18 mm  
 vpe 1



SD.019

V 12 - 24 V W 16 A  
 18 mm  
 vpe 1



SD.020

V 12 - 24 V W 16 A  
 18 mm  
 vpe 1



SD.005

V 12 - 24 V W 16 A  
 18.5 mm  
 vpe 1




SD.012

massa ring / earth ring /  
 Masseklemme / clip en masse



SD.014

V 12 - 24 V W 16 A  
 18.5 mm  
 vpe 1



SD.464

V 12 - 24 V W 12 A  
 18.5 mm  
 vpe 1







SD.465

V 12 - 24 V W 12 A  
 18.5 mm  
 vpe 1



SD.011

V 12 - 24 V W 20 A  
 20.95 mm  
 vpe 1

-  Stekerdozen 1 polig - universeel
-  Sockets 1 pin - universal
-  Universal Steckdosen 1 Polig
-  Prises à 1 pôle - universel

DIN / ISO 4165



IP67



Incl. pakking en gegolfdeprijs aansluiting en deksel



SD.466

V 12 - 24 V W 16 A

12 mm - L 69 mm

vpe 1

SD.015

V 12 - 24 V W 16 A

12 mm / 31.5 x 61.5 mm

vpe 1

SD.031

V 6 - 24 V W 12 A

12 mm

vpe 1

SD.032

V 6 - 50 V W 12 A

10 mm

vpe 1

-  Stekerdozen 1 polig - universeel opbouw
-  Sockets 1 pin - universal build up
-  Universal Steckdosen 1 Polig Aufbau
-  Prises à 1 pôle - universel

DIN / ISO 4165



SD.029

V 6 - 12 V W 12 A

12 mm

vpe 1



SD.030

V 6 - 12 V W 12 A

12 mm

vpe 1

-  Stekersdozen 3 polig - universeel
-  Sockets 3 pin - universal
-  Universal Steckdosen 3 Polig
-  Prises à 3 pôles - universel

DIN / ISO 4165



SD.021

V 12 - 24 V W 16 A

34.0 x 94.0 mm

vpe 1

-  Aansteker - universeel - met verlichting
-  Cigarette lighter - universal - illuminated
-  Zigarettenanzünder - Universal - mit Beleuchtung
-  Allumeur - universel - avec éclairage







SD.022

V 12 V W 10 A

27.8 - 21.85 mm

max. 1.5 mm<sup>2</sup>

vpe 1

-  Verlengkabel / Adapters - universeel
-  Extension cable / adapters - universal
-  Verlängerungskabel / Adapter - Universal
-  Câble prolongateur / adaptateur - universel

DIN / ISO 4165



SD.467

V 12 - 24 V W 16 A

20.95 mm

vpe 1

SD.023

V 12 - 24 V W 8 A

0.25 mtr. 2 x 0.75 mm<sup>2</sup>





vpe 1

SD.024

V 12 - 24 V W 16 A

0.25 mtr. 2 x 0.75 mm<sup>2</sup>

vpe 1

-  Verlengkabel / Adapters - universeel
-  Extension cable / adapters - universal
-  Verlängerungskabel / Adapter- Universal
-  Câble prolongateur / adaptateur - universel

DIN / ISO 4165



SD.025

**V** 12 - 24 V **W** 16 A  
 0.25 mtr. 2 x 0.75 mm<sup>2</sup>  
 vpe 1



SD.026

**V** 12 - 24 V **W** 8 A  
 0.60 mtr.- 3.00 mtr 2 x 0.75 mm<sup>2</sup>  
 vpe 1







SD.027





**V** 12 - 24 V **W** 8 A  
 4.00 mtr. 2 x 0.75 mm<sup>2</sup>  
 vpe 1



SD.028

**V** 12 - 24 V **W** 16A  
 4.00 mtr. 2 x 0.75 mm<sup>2</sup>  
 vpe 1

-  Steker + Oplaadkabel met mini USB stekker
-  Plug + Charging cable with mini USB plug
-  Stecker + Ladekabel mit Mini USB Stecker
-  Fiche + câble chargeur avec fiche mini USB

-  Stekker + Oplaadkabel met: mini USB stekker
-  Plug + Charging cable with: mini USB plug
-  Stecker + Ladekabel mit Mini: USB Stecker
-  Fiche + Ccâble chargeur avec: fiche mini USB







SD.424

**V** Input 12 - 24 V **A** output 5 V 2000 Ma  
 1.50 mtr. 2 x 0.75 mm<sup>2</sup>  
 vpe 1



SD.425

**V** Input 12 - 24 V **A** output 5 V 2000 Ma  
 1.50 mtr. 2 x 0.75 mm<sup>2</sup>  
 vpe 1

-  Steker + Oplaadkabel met USB stekker
-  Plug + Charging cable with USB plug
-  Stecker + Ladekabel mit Mini USB Stecker
-  Fiche + câble chargeur avec fiche USB

-  Oplaadkabel met USB stekker
-  Charging cable with USB plug
-  Ladekabel mit Mini USB Stecker
-  Câble chargeur avec fiche USB

SD.453

**V** Input 12 - 24 V  
**V** output 5 V  
**A** 2000 Ma  
 1.50 mtr.  
 2 x 0.75 mm<sup>2</sup>  
 vpe 1



SD.452

**V** Input 12 - 24 V  
**V** output 5 V  
**A** 2000 Ma  
 1.50 mtr.  
 2 x 0.75 mm<sup>2</sup>  
 vpe 1



-  **Stekers / Stekerdozen 1 polig**
-  **Plugs / Sockets 1 pin**
-  **Stecker / Steckdosen 1 Polig**
-  **Fiches / Prises à 1 pôle**



**SD.035**

**V** 24 V  
**A** 300 A  
 35 mm<sup>2</sup>  
 vpe 1

**SD.036**



**V** 24 V  
**A** 300 A  
 35 mm<sup>2</sup>  
 vpe 1

**SD.037**

**V** 24 V  
**A** 300 A  
 35 mm<sup>2</sup>  
 vpe 1

**SD.038**

**V** 24 V  
**A** 300 A  
 35 mm<sup>2</sup>  
 vpe 1

-  **Stekers / dozen - rubber - met randaarde** IP 44
-  **Sockets / plugs - rubber** DIN 49440/441
-  **Stecker / Kupplungen - Vollgummi**
-  **Fiches / Prises - à caoutchouc**

**SD.007**

**V** 250 V  
**A** 10 A - 16 A  
 3 x 1.5 mm<sup>2</sup>  
 vpe 1



**SD.008**

**V** 250 V  
**A** 10 A - 16 A  
 3 x 1.5 mm<sup>2</sup>  
 vpe 1



-  **Stekers / Stekerdozen 2 polig** C DIN / ISO 14690
-  **Plugs / Sockets 2 pins**
-  **Stecker / Steckdosen 2 Polig**
-  **Fiches / Prises à 2 pôles**



**SD.009**

3 x 1.5 mm<sup>2</sup>  
**V** 6 - 42 V  
**A** 30 A  
 1.0 - 3.0 mm<sup>2</sup>  
 80 mm  
 vpe 1



**SD.010**

**V** 6 - 42 V  
**A** 30 A  
 1.0 - 3.0 mm<sup>2</sup>  
 68 mm  
 vpe 1



**SD.033**





**V** 6 - 42 V  
**A** 30 A  
 1.0 - 3.0 mm<sup>2</sup>  
 94 mm  
 vpe 1



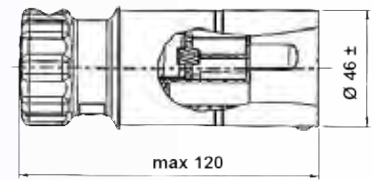
**SD.034**

**V** 6 - 42 V  
**A** 30 A  
 1.0 - 3.0 mm<sup>2</sup>  
 85 mm  
 vpe 1

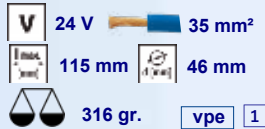


-  **Stekers 2 polig - met soldeer/crimp contacten**
-  **Plugs 2 pins - with crimp/soldering contacts**
-  **Stecker 2 Polig - mit Crimp/Lötkontakten**
-  **Fiches à 2 pôles - avec contacts à sertir/souder**

VG 96 917



SD.400



SD.426





SD.427

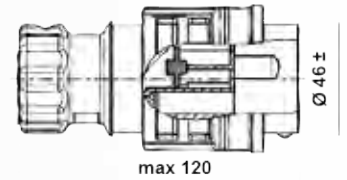


SD.428



-  **Stekers 2 polig - met soldeer/crimp contacten**
-  **Plugs 2 pins - with crimp/soldering contacts**
-  **Stecker 2 Polig - mit Crimp/Lötkontakten**
-  **Fiches à 2 pôles - avec contacts à sertir/souder**

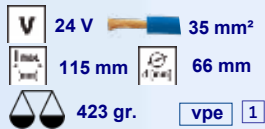
VG 96 917



VG 96917 E001A



SD.417



VG 96917 E001B



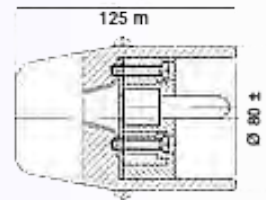
SD.401







SD.429



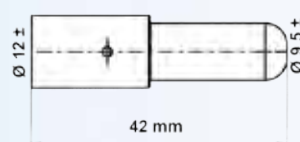
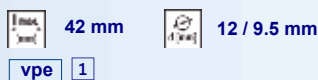
SD.210



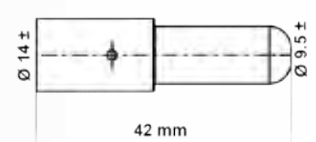
-  **Contactstift voor Stekers 2 polig**
-  **Contact pin for Plugs 2 pins**
-  **Kontaktstift für Stecker 2 Polig**
-  **Plot de contact Fiches à 2 pôles**







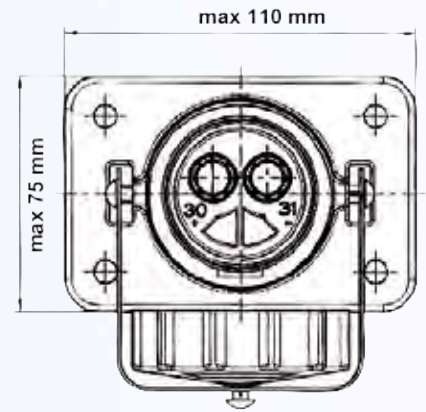
SD.404 35 mm²



SD.404-50 50 mm²








-  **Stekerdozen 2 polig - met soldeer/crimp contacten** VG 96 917
-  **Sockets 2 pins - with crimp/soldering contacts**
-  **Steckdosen 2 Polig - mit Crimp/Lötkontakten**
-  **Prises à 2 pôles - avec contacts à sertir/souder**



**SD.402**

 24 V  35-50 mm<sup>2</sup>  
 110 mm  80.9 mm  
 410 gr. vpe 1

**SD.407**

 24 V  35 mm<sup>2</sup>  
 110 mm  80.9 mm  
 432 gr. vpe 1

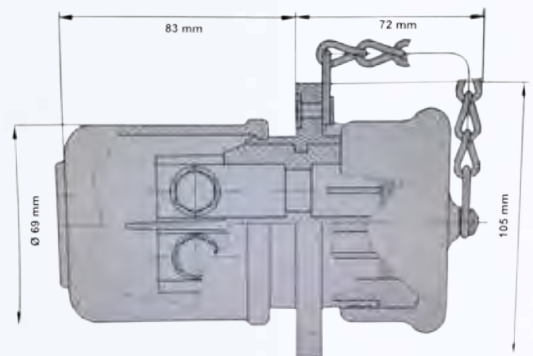
**SD.430**

 24 V  50 mm<sup>2</sup>  
 110 mm  80.9 mm  
 432 gr. vpe 1







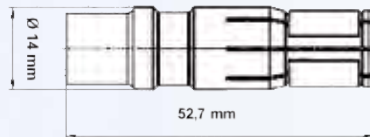
**SD.406**

 24 V  70 mm<sup>2</sup>  
 155 mm  69 / 105 mm  
 998 gr. vpe 1







**Kabelaansluiting M10**

-  **Contactbus voor Dozen 2 polig**
-  **Contact socket for Sockets 2 pins**
-  **Kontaktbuchse für Steckdosen 2 Polig**
-  **Plot de contact Prises à 2 pôles**



**SD.405**

 35-50 mm<sup>2</sup>  
 52.7 mm  
 14 mm  
vpe 1

-  **Koppelingen zonder/met schroefkappen - rubber**
-  **Coupler without/with screw caps - rubber**
-  **Kupplung ohne/mit Schraubkappen - Gummi**
-  **Raccords sans/avec capuchon fileté - en caoutchouc**



**SD.403**

 24 V  35 mm<sup>2</sup>  
 63 mm  41.5 mm  
vpe 1

**SD.409**


 24 V  70 mm<sup>2</sup>  
 86 mm  67 mm  
vpe 1

**SD.410**

 24 V  35 mm<sup>2</sup>  
 103 mm  76 mm  
vpe 1


**SD.408**

 24 V  70 mm<sup>2</sup>  
 103 mm  76 mm  
vpe 1


-  **Stekers / Stekerdozen 2 polig - met crimp/soldeer contacten - polycarbonaat**
-  **Plugs 2 pins - with crimp/soldering - polycarbonate**
-  **Stecker 2 Polig - mit Crimp/Lötkontakten - Polykarbonat**
-  **Fiche / Prises à 2 pôles - avec contacts à sertir/souder - polycarbonate**



**SD.434**  6 - 16 mm<sup>2</sup>

**V** max. 600 V **A** 50 A  
 dim. 47.6 x 36.5 x 16 mm  13.3 mm<sup>2</sup>  
 vpe 1

**SD.435**  6 - 16 mm<sup>2</sup>

**V** max. 600 V **A** 50 A  
 dim. 47.6 x 36.5 x 16 mm  13.3 mm<sup>2</sup>  
 vpe 1

**SD.436**  6 - 16 mm<sup>2</sup>

**V** max. 600 V **A** 50 A  
 dim. 47.6 x 36.5 x 16 mm  13.3 mm<sup>2</sup>  
 vpe 1



**SD.443**  
 handvat - handle  
 handgriff - poignée

vpe 1



**SD.444**  
 stofkap- dust cover  
 Staubschutzabdeckung  
 bouchon anti-poussière

vpe 1




**SD.449**  
 contact


vpe 1




**SD.437**  25 - 35 mm<sup>2</sup>

**V** max. 600 V **A** 175 A  
 dim. 79.4 x 55.6 x 26 mm  53.5 mm<sup>2</sup>  
 vpe 1

**SD.438**  25 - 35 mm<sup>2</sup>

**V** max. 600 V **A** 175 A  
 dim. 79.4 x 55.6 x 26 mm  53.5 mm<sup>2</sup>  
 vpe 1

**SD.439**  25 - 35 mm<sup>2</sup>

**V** max. 600 V **A** 175 A  
 dim. 79.4 x 55.6 x 26 mm  53.5 mm<sup>2</sup>  
 vpe 1



**SD.445**  
 handvat - handle  
 handgriff - poignée

vpe 1



**SD.446**  
 stofkap- dust cover  
 Staubschutzabdeckung  
 bouchon anti-poussière

vpe 1



**SD.450** contact vpe 1



**SD.473**  
 trekontlasting - strain relief  
 Zugentlastung - soulagement de la tension

vpe 1

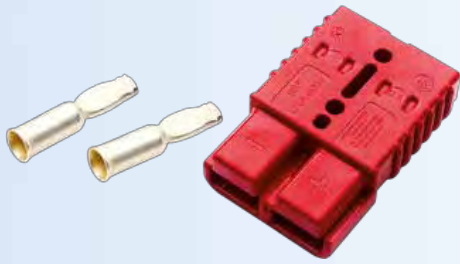


 Stekers / Stekerdozen 2 polig - met crimp/soldeer contacten - polycarbonaat

 Plugs 2 pins - with crimp/soldering - polycarbonate

 Stecker 2 Polig - mit Crimp/Lötkontakten - Polykarbonat

 Fiche / Prises à 2 pôles - avec contacts à sertir/souder - polycarbonate

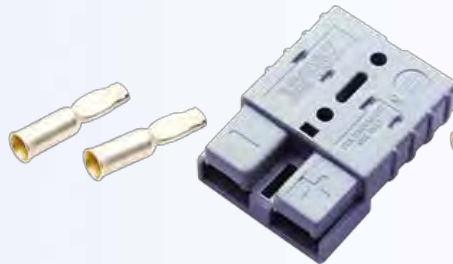


SD.440  50 - 70 mm<sup>2</sup>

**V** max. 600 V **A** 300 A

dim. 108 x 69.8 x 26 mm  67.4 mm<sup>2</sup>

vpe 1

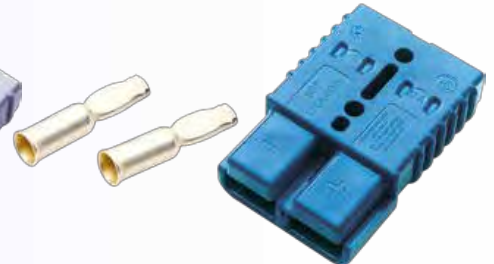


SD.441  50 - 70 mm<sup>2</sup>

**V** max. 600 V **A** 300A

dim. 108 x 69.8 x 26 mm  67.4 mm<sup>2</sup>

vpe 1



SD.442  50 - 70 mm<sup>2</sup>

**V** max. 600 V **A** 300 A

dim. 108 x 69.8 x 26 mm  67.4 mm<sup>2</sup>

vpe 1



SD.447

handvat - handle  
handgriff - poignée

vpe 1



SD.448

stofkap- dust cover  
Staubschutzabdeckung  
bouchon anti-poussière

vpe 1



SD.451

contact

vpe 1



SD.472  50 - 70 mm<sup>2</sup>

**V** max. 600 V **A** 350 A

dim. 108 x 69.8 x 26 mm  67.4 mm<sup>2</sup>

vpe 1

 Stekers / Stekerdozen 2 polig - met soldeer contacten

 Plugs / Sockets 2 pins - with soldering contacts

 Stecker / Steckdosen 2 Polig - mit Lötkontakten

 Fiche / Prises à 2 pôles - avec contacts à souder



SD.411

**V** max. 48 V **A** 160 A

 35 mm<sup>2</sup>

vpe 1



SD.412

**V** max. 48 V **A** 160 A

 35 mm<sup>2</sup>

vpe 1



SD.415

**V** max. 48 V **A** 200 A

 50 mm<sup>2</sup>

vpe 1



SD.416

**V** max. 48 V **A** 200 A

 50 mm<sup>2</sup>

vpe 1

contacten separaat leverbaar op aanvraag

 **Stekers / Stekerdozen 2 polig - met soldeer contacten**

 **Plugs / Sockets 2 pins - with soldering contacts**

 **Stecker / Steckdosen 2 Polig - mit Lötkontakten**

 **Fiche / Prises à 2 pôles - avec contacts à souder**



SD.419

**V** max. 48 V **A** 80 A

35 mm<sup>2</sup>

vpe 1




SD.420

**V** max. 48 V **A** 80 A

35 mm<sup>2</sup>

vpe 1

 **Stekers / Stekerdozen 2 polig - met crimp contacten**

 **Plugs 2 pins - with crimp contacts**

 **Stecker 2 Polig - mit Crimpkontakten**

 **Fiche / Prises à 2 pôles - avec contacts à sertir/**



contacten separaat leverbaar op aanvraag



SD.413

**V** max. 48 V **A** 160 A

35 mm<sup>2</sup>

vpe 1

Crimp



SD.414

**V** max. 48 V **A** 160 A

35 mm<sup>2</sup>

vpe 1

Crimp

 **Stekers / Stekerdozen 3 polig**

DIN / ISO 14 690

 **Plugs / Sockets 3 pins**

DIN / ISO 9680

 **Stecker / Steckdosen 3 Polig**

 **Fiches / Prises à 3 pôles**



SD.115 vpe 1

**V** 6 - 12 - 24 V

**A** 1.5mm<sup>2</sup> 16 A  
2.5mm<sup>2</sup> 25 A



SD.114 vpe 1

**V** 6 - 12 - 24 V

**A** 1.5mm<sup>2</sup> 16 A  
2.5mm<sup>2</sup> 25 A



SD.111 vpe 1

**V** 6 - 12 - 24 V

**A** 1.5mm<sup>2</sup> 16 A  
2.5mm<sup>2</sup> 25 A



SD.110 vpe 1

**V** 6 - 12 - 24 V

**A** 1.5mm<sup>2</sup> 16 A  
2.5mm<sup>2</sup> 25 A



SD.6870

**V** max. 48 V **A** 5 A

3 x 1.5 mm<sup>2</sup>

vpe 1







SD.6871

**V** max. 48 V **A** 5 A

3 x 1.5 mm<sup>2</sup>

vpe 1

-  **Stekers 7 polig - kunststof / aluminium - trekontlasting**
-  **Plugs - 7 pins - synthetic material / aluminium - pull relief**
-  **Stecker - 7 Polig - Kunststoff / Aluminium - mit Zugentlastung**
-  **Fiches - à 7 pôles - matière en plastique / aluminium - avec serre câble**

ISO 1724  
12 V  








**SD.101** vpe 1  
V 6 - 12 V  
A 1.5mm<sup>2</sup> 16 A  
A 2.5mm<sup>2</sup> 25 A




**SD.105** vpe 1  
V 6 - 12 V  
A 1.5mm<sup>2</sup> 16 A  
A 2.5mm<sup>2</sup> 25 A




**SD.106** vpe 1  
V 6 - 12 V  
A 1.5mm<sup>2</sup> 16 A  
A 2.5mm<sup>2</sup> 25 A

-  **Stekerdozen 7 polig - slagvast - trekontlasting - uitneembaar interieur - mistlamp uitschakelcontact** ISO 1724
-  **Sockets 7 pins - impact resistant - pull relief - removable interior - switch-off for rear fog light** 6 - 12 V
-  **Steckdosen 7 Polig - Schlagfest - mit Zugentlastung - Einsatz ausnehmbar - Abschaltkontakt für Nebelschlussleuchte**
-  **Prises à 7 pôles - résistant aux chocs - avec serre câble - insert détachable - avec rupture pour feu arrière antibrouillard**







**SD.108**  
V 6 - 12 V  
A 1.5mm<sup>2</sup> 16 A  
A 2.5mm<sup>2</sup> 25 A  
mat. PVC   
vpe 1




**SD.104**  
V 6 - 12 V   
A 1.5mm<sup>2</sup> 16 A  
A 2.5mm<sup>2</sup> 25 A  
mat. Aluminium  
vpe 1


standaard geleverd zonder tule

-  **Stekerdozen 7 polig - slagvast - trekontlasting - uitneembaar interieur** ISO 1724
-  **Sockets 7 pins - impact resistant - pull relief - removable interior** 6 - 12 V
-  **Steckdosen 7 Polig - Schlagfest - mit Zugentlastung - Einsatz ausnehmbar**
-  **Prises à 7 pôles - résistant aux chocs - avec serre câble - insert détachable**



**SD.107**  
V 6 - 12 V  
A 1.5mm<sup>2</sup> 16 A  
A 2.5mm<sup>2</sup> 25 A  
mat. PVC   
vpe 1




**SD.103**  
V 6 - 12 V   
A 1.5mm<sup>2</sup> 16 A  
A 2.5mm<sup>2</sup> 25 A  
mat. Aluminium  
vpe 1

standaard geleverd zonder tule

-  **Koppelingdoos 7 polig** ISO 1724
-  **Coupling socket 7 pins** 6 - 12 V 
-  **Kupplungsdose 7 polig**
-  **Prise d'accouplement à 7 pôles**



**SD.102**  
V 6 - 12 V  
A 1.5mm<sup>2</sup> 16 A  
A 2.5mm<sup>2</sup> 25 A  
mat. PVC   
vpe 1

- WeSt steekverbinding systeem - stekers 7-/13 polig - NEN 6120
- WeSt plug system - plugs 7-/13 pins - NEN 6120
- WeSt Steckverbindungen - Stecker 7-/13 polig - NEN 6120
- WeSt système de connexion - prises à 7-/13 pôles - NEN 6120

ISO 1724  
ISO 11446  
12 V **mat.** PP



- WeSt steekverbinding systeem - stekerdozen 7-/13 polig - incl. afdichting - micro switch voor mistachterlicht - NEN 6120
- WeSt plug system - sockets 7-/13 pins - incl. rubber seal - micro switch for rear fog light - NEN 6120
- WeSt Steckverbindungen - SteckDosen 7-/13 polig - inkl. Gummidichtung - Mikroschaltung für neblschlusseuchte - NEN 6120
- WeSt système de connexion - fiches à 7-/13 pôles - incl. joint caoutchouc - Micro-interrupteur pour feu arrière anti-brouillard - NEN 6120



DIN/ISO 1724  
DIN/ISO 11446  
12 V

- Stekers 13 polig
- Plugs 13 pins
- Stecker 13 polig
- Prises à 13 pôles

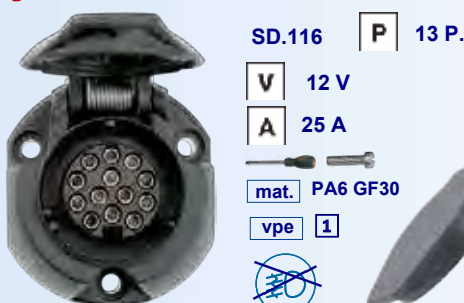
DIN/ISO 11446  
12 V







- Stekerdozen 13 polig - incl. afdichting
- Sockets 13 pins - incl. rubber seal
- Steckdosen 13 polig - inkl. Gummidichtung
- Fiches à 13 pôles - incl. joint caoutchouc

- Koppelingdoos 13 polig
- Coupling socket 13 pins
- Kupplungsdose 13 polig
- Prise d'accouplement à 13p

- Parkeerdoos ISO 11446
- Parking socket according ISO 11446
- Parksteckdose nach ISO 11446
- Prise de stationnement selon ISO 11446



-  Stekerdozen 13 polig - incl. afdichting - micro switch voor mistachterlicht
-  Sockets 13 pins - incl. rubber seal - micro switch for rear fog light
-  Steckdosen 13 polig - inkl. Gummidichtung - Mikroschaltung für neblschlussleuchte
-  Fiches à 13 pôles - incl. joint caoutchouc - Micro-interrupteur pour feu arrière anti-brouillard

DIN/ISO 11446

12 V



SD.112 **P** 13 P.

SD.113 **P** 13 P.

SD.141 **P** 13 P.

**V** 12 V   
**A** 25 A Hoogte 50 mm

**V** 12 V   
**A** 25 A Hoogte 50 mm

**V** 12 V   
**A** 25 A Hoogte 50 mm

mat. PA6 GF30 Made in Germany  
vpe 1

mat. PA6 GF30 Made in Germany  
vpe 100

mat. PA6 GF30 Made in PRC  
vpe 1



Uitgang Midden



Uitgang Rechts



SD.137 **P** 13 P.

SD.138 **P** 13 P.

**V** 12 V Hoogte 40 mm  
**A** 25 A 

**V** 12 V Hoogte 40 mm  
**A** 25 A 

mat. PA6 GF30 Made in Germany  
vpe 1

mat. PA6 GF30 Made in Germany  
vpe 1

-  Stekerdozen 13 polig - incl. afdichting - **met 2 micro switch** voor mistachterlicht
-  Sockets 13 pins - incl. rubber seal - **with 2 micro switch** for rear fog light
-  Steckdosen 13 polig - inkl. Gummidichtung - **mit 2 Mikroschalter** für neblschlussleuchte
-  Fiches à 13 pôles - incl. joint caoutchouc - **avec 2 Micro-interrupteur** pour feu arrière anti-brouillard



DIN/ISO 11446

12 V







SD.144 **P** 13 P.

**V** 12 V   
**A** 25 A

mat. PA6 GF30 Made in Germany  
vpe 1

De 2e micro switch kan universeel gebruikt worden. Wordt vaak gebruikt voor het uitschakelen van de Park Distance Control (PDC)



-  Afdichtingen voor stekkerdozen
-  Coupling plug 7 pins
-  Gummidichtungen für Steckdosen
-  Joint d'étanchéité en caoutchouc pour prises



SD.109  
1724/3732  
vpe 10



SD.119  
1724/11446  
vpe 10



SD.136  
1724/11446  
vpe 1



SD.432  
11446 - 40 mm  
vpe 10



Adapters - Mini / Compact voor 7-/ 13 polig - 13 / 7 polig - 13 / 13 polig

Adapter - Mini / Compact for plugconnectors 7-/ 13 pins - 13 / 7 pins - 13 / 13 pins

Adapter - Mini / Kompakt für Steckverbindungen 7-/ 13 polig - 13 / 7 polig - 13 / 13 polig

Adaptateur - Mini/Compact pour connecteurs à 7-/ 13 pôles - 13 / 7 pôles - 13 / 13 pôles



Mini

Made in Germany

SD.132



13 P - ISO 11446

SD.133



13 P - ISO 11446

SD.142



13 P - ISO 11446

V 12 V



7 P - ISO 1724

V 12 V



7 P - ISO 1724

V 12 V



7 P - ISO 1724

A 20 A



52.8 mm

A 20 A



52.8 mm

A 20 A



52.8 mm

vpe 1



mat. PA6 GF30

vpe 100



mat. PA6 GF30

vpe 1



mat. PA6



Made in Germany

SD.122



13 P - ISO 11446

SD.135



7 P - ISO 1724

SD.143



7 P - ISO 1724

V 12 V



7 P - ISO 1724

V 12 V



13 P - ISO 11446

V 12 V



13 P - ISO 11446

A 20 A



106.4 mm

A 20 A



52.8 mm

A 20 A



52.8 mm

vpe 1



mat. PA6 GF30

vpe 1



mat. PA6 GF30

vpe 1



mat. PA6



Made in Germany

SD.120



13 P - ISO 11446

SD.120/IND



13 P - ISO 11446

SD.121



13 P - ISO 11446

V 12 V



7 P - ISO 1724 / West 7/13

V 12 V



7 P - ISO 1724 / West 7/13

V 12 V



7 P - ISO 1724 / West 7/13

A 20 A



52.8 mm

A 20 A



52.8 mm

A 20 A



106.4 mm

vpe 1



mat. PA6 GF30

vpe 100



mat. PA6 GF30

vpe 1



mat. PA6 GF30



Made in Germany

SD.121/IND



13 P - ISO 11446

V 12 V



7 P - ISO 1724 / West 7/13

A 20 A



106.4 mm





vpe 100



mat. PA6 GF30







Made in Germany



-  Adapters - kabeluitvoering - voor 7-/ 13 polig - 13 / 7 polig - 13 / 13 polig
-  Adapter - cable type - for plugconnectors 7-/ 13 pins - 13 / 7 pins - 13 / 13 pins
-  Adapter - Kabeladapter für Steckverbindungen 7-/ 13 polig - 13 / 7 polig - 13 / 13 polig
-  Adaptateur - à câble pour connecteurs à 7-/ 13 pôles - 13 / 7 pôles - 13 / 13 pôles









**SD.123**

 12 V	 13 P - ISO 11446
 20 A	 7 P - ISO 1724
 700 mm	 PA6 GF30 - PVC

**vpe** **1** **mat.**









**SD.124**

 12 V	 7 P - ISO 1724
 20 A	 13 P - ISO 11446
 700 mm	 PA6 GF30 - PVC

**vpe** **1** **mat.**








**SD.126**

 12 V	 13 P - ISO 11446
 20 A	 7 P - ISO 1724 / West
 700 mm	 PA6 GF30 - PVC

**vpe** **1** **mat.**



**SD.134**

 12 V	 7 P - ISO 1724 / West
 20 A	 7/13 13 P - ISO 11446
 700 mm	 PA6 GF30 - PVC

**vpe** **1** **mat.**

-  Adapters - Omvormers
-  Adapter - Converters
-  Adapter - Spannungswandler
-  Adaptateur - Convertisseur

**24V DC > 12V DC**



**SD.150** **vpe** **1**

Ingangsspanning: 24 V  
 Aantal polen (ingang): 7-polig DIN:1724 N  
 Uitgangsspanning: 12 V  
 Aantal polen (Uitgang): 7-polig DIN:1724 N  
 Nominaal vermogen 6 x 70 W  
 Diameter / Lengte 74 mm / 191 mm



**SD.151** **vpe** **1**

Ingangsspanning: 24 V  
 Aantal polen (ingang): 7-polig DIN:1724 N  
 Uitgangsspanning: 12 V  
 Aantal polen (Uitgang): 13-polig DIN:11446  
 Nominaal vermogen 6 x 70 W  
 Diameter / Lengte 70 mm / 191 mm



**SD.152** **vpe** **1**

Ingangsspanning: 24 V  
 Aantal polen (ingang): 7-polig DIN:1185 N  
 Uitgangsspanning: 12 V  
 Aantal polen (Uitgang): 13-polig DIN:11446  
 Nominaal vermogen 6 x 70 W  
 Diameter / Lengte 75 mm / 200 mm

-  **Adapters - Omvormers**
-  **Adapter - Converters**
-  **Adapter - Spannungswandler**
-  **Adaptateur - Convertisseur**

24V DC > 12V DC



SD.153 vpe 1

Ingangsspanning: 24 V  
 Aantal polen (ingang): 15-polig DIN:12098  
 Uitgangsspanning: 12 V  
 Aantal polen (Uitgang): 7-polig DIN:1724 N  
 Nominaal vermogen 7 x 70 W  
 Diameter / Lengte 75 mm / 175 mm







SD.154 vpe 1

Ingangsspanning: 24 V  
 Aantal polen (ingang): 7-polig DIN:1185 N  
 Uitgangsspanning: 12 V  
 Aantal polen (Uitgang): 7-polig DIN:1724 N  
 Nominaal vermogen 6 x 70 W  
 Diameter / Lengte 75 mm / 185 mm



SD.155 vpe 1

Ingangsspanning: 24 V  
 Aantal polen (ingang): 15-polig DIN:12098  
 Uitgangsspanning: 12 V  
 Aantal polen (Uitgang): 13-polig DIN:11446  
 Nominaal vermogen 7 x 70 W  
 Diameter / Lengte 75 mm / 200 mm

-  **Verlengkabels 12V**
-  **Extension cables 12V**
-  **Verlängerungskabel 12V**
-  **Câbles d'extension 12V**

SD.339 vpe 1



Electrospiraal / verlengkabel met 2 x 13-polige Jeager stekker.  
 Werk lengte 3.5 mtr

SD.331 vpe 1



Electrospiraal / verlengkabel met 1 x 13-polige Jeager stekker  
 + 1 x 13 polige zwevende stekkerdoos. Werk lengte 3.5 mtr

SD.337 vpe 1







Electrospiraal / verlengkabel met 2 x 7-polige kunststof stekker.  
 Werk lengte 3.5 mtr

SD.338 vpe 1



Electrospiraal / verlengkabel met 2 x 7-polige kunststof stekker.  
 Werk lengte 3.5 mtr

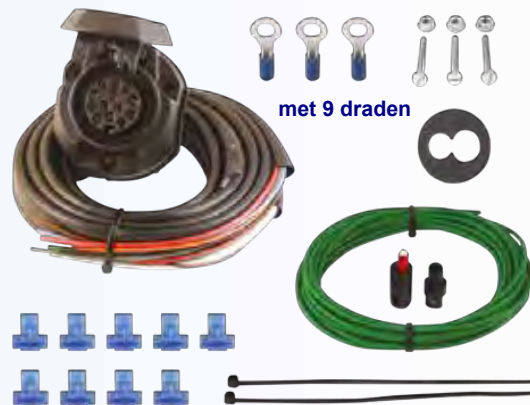






-  Set 7 polig universeel "EURO" - voorgemonteerd, additioneel voorzien van mistachterlichtaansluiting - kunststof stekerdoos - slagvast
-  Set of electric components universal 7 pins "EURO" - assembled with switch off for fog light - impact resistant synthetic socket
-  Universal E-Satz 7 polig - Kunststoff Steckdose "EURO" - montiert mit zusätzlich Abschaltung für Nebelschlussleuchte - Schlagfest
-  Faisceaux électriques universel à 7 pôles "EURO" - socle à matière en plastique - résistant aux impacts - additionè avec coupure anti-brouillard



-  Set 13 polig universeel ISO 11446 - voorgemonteerd, voorzien van mistachterlichtaansluiting - kunststof stekerdoos - slagvast
-  Set of electric components universal 13 pins ISO 11446 assembled with switch off for fog light - impact resistant synthetic socket
-  Universal E-Satz 13 polig - Kunststoff Steckdose ISO 11446 - montiert, mit Abschaltung für Nebelschlussleuchte - Schlagfest
-  Faisceaux électriques universel à 13 pôles ISO 11446 - socle à matière en plastique - résistant aux impacts - avec coupure anti-brouillard

-  Set 13 polig universeel ISO 11446 - voorgemonteerd, voorzien van mistachterlichtaansluiting - kunststof stekerdoos - slagvast
-  Set of electric components universal 13 pins ISO 11446 assembled with switch off for fog light - impact resistant synthetic socket
-  Universal E-Satz 13 polig - Kunststoff Steckdose ISO 11446 - montiert, mit Abschaltung für Nebelschlussleuchte - Schlagfest
-  Faisceaux électriques universel à 13 pôles ISO 11446 - socle à matière en plastique - résistant aux impacts - avec coupure anti-brouillard



-  Set 7-/13 polig universeel "WeSt" - voorgemonteerd, voorzien van mistachterlichtaansluiting - kunststof stekerdoos - slagvast
-  Set of electric components universal 7-/13 pins "WeSt" assembled with switch off for fog light - impact resistant synthetic socket
-  Universal E-Satz 7-/13 polig - Kunststoff Steckdose "WeSt" - montiert, mit Abschaltung für Nebelschlussleuchte - Schlagfest
-  Faisceaux électriques universel à 7-/13 pôles "WeSt" - socle à matière en plastique - résistant aux impacts - avec coupure anti-brouillard

-  Set 13 polig universeel ISO 11446 - voorgemonteerd, met module voor mistachterlichtonderbreking en PDC uitschakeling - kunststof stekerdoos - slagvast
-  Set of electric components universal 13 pins ISO 11446 - with module with fog light interruption and PDC elimination impact resistant synthetic socket
-  Universal E-Satz 13 polig - ISO 11446 - mit Module mit NSL unterbrechung und PDC Abschaltung - Kunststoff Steckdose - Schlagfest
-  Faisceaux électriques universel à 13 pôles ISO 11446 - avec module avec débranchement antibrouillard remorque et avec PDC élimination - socle à matière en plastique - résistant aux impacts











 **Trekhaak toebehoren**





 **Accessories for trailer couplings**

 **Zubehör für Anhängerzugvorrichtungen**



 **Accessoires pour attelages**

-  Hulpkoppeling met veer - verzinkt
-  coupling with spring - zinc plated
-  Kupplungsbügel mit Feder - Galvanisiert
-  Accouplement auxiliaire à ressort - galvanisé

-  Hulpkoppeling met gleuf - verzinkt
-  Auxillary coupling with slot - zinc plated
-  Kupplungsbügel mit Schlitz - Galvanisiert
-  Accouplement auxiliaire à gorge - galvanisé

-  Kabel met strip - verzinkt
-  Safety cable with strip - zinc plated
-  Sicherheitskabel + Streif - Galvanisiert
-  Câble de sécurité avec bande - galvanisé







**SD.802**  







**SD.803**  



**SD.804**  

-  Kabel met stekerhouder - verzinkt
-  Security cable + plug holder - zinc plated
-  Sicherheitskabel + Steckerhalter - Galvanisiert
-  Câble de sécurité avec console et support de fiche galvanisé





-  Rembrekkabel
-  Brake away safety cable
-  Abreisseil komplett
-  Câble de rupture complet











**SD.806**  

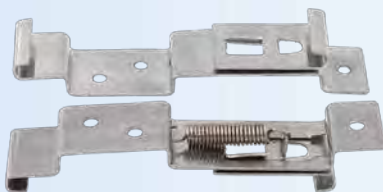


**SD.800**  
 1.00 mtr  
 

-  Kentekenplaathouder - set - roestvrij staal
-  Registration plate holder clamp - set - stainless steel
-  Nummernschildhalter Satz - Rostfrei Stahl
-  Jeu support de plaque d'immatriculation - acier inoxydable

-  Motorkaphaak - set
-  Bonnet fastener - set
-  Motorhaubenverschluss - Satz
-  Jeu crochet pour capot moteur

-  Testapparaat 7-/ 13 polig
-  Sockettester 7-/ 13 polig
-  Prüfgerät für Steckverbindungen 7-/ 13 polig
-  Appareil de contrôle pour fiches à 7-/ 13 pôles



**SD.805**  



**SD.807**  



**SD.199**  
 12 V  
 



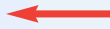
- Adapters - toepassing
- Adapter - application
- Adapter - Anwendung
- Adapteur - application



**13p**  
ISO 11446



**SD.112**



**SD.132**



**SD.101**

**SD.105**



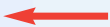
**7p**  
ISO 1724



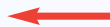
**13p**  
ISO 11446



**SD.112**



**SD.122**



**SD.101**

**SD.105**



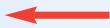
**7p**  
ISO 1724



**13p**  
ISO 11446



**SD.112**



**SD.121**



**SD.130**

**SD.101**

**SD.105**



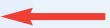
**7p**  
ISO 1724  
**WeST 7-/13 p**



**13p**  
ISO 11446



**SD.112**



**SD.126**



**SD.130**

**SD.101**

**SD.105**



**7p**  
ISO 1724  
**WeST 7-/13 p**



**13p**  
ISO 1724  
**WeST 7-/13 p**



**SD.112**



**SD.123**



**SD.101**

**SD.105**



**7p**  
ISO 1724



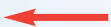
**7p**  
ISO 1724



**SD.108**



**SD.104**



**SD.135**



**SD.117**



**13p**  
ISO 11446



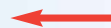
**7p**  
ISO 1724



**SD.108**



**SD.104**



**SD.124**



**SD.117**



**13p**  
ISO 11446



**7p**  
ISO 1724  
**WeST 7-/13 p**



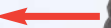
**SD.108**



**SD.104**



**SD.127**



**SD.134**






12-18



**SD.117**

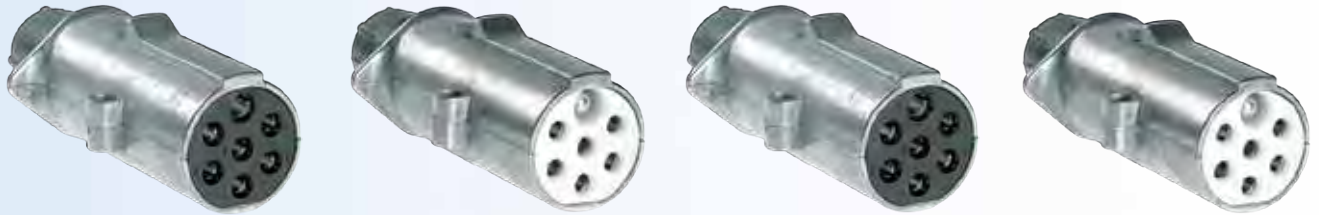


**13p**  
ISO 11446






-  **Stekers 7 polig - kunststof / aluminium - trekontlasting** ISO 1185 - N
-  **Plugs - 7 pins - synthetic material / aluminium - pull relief** ISO 3731 - S
-  **Stecker - 7 Polig - Kunststoff / Aluminium - mit Zugentlastung**
-  **Fiches - à 7 pôles - matière en plastique / aluminium - avec serre câble** 



<b>SD.228</b> type <b>N</b> vpe <b>1</b> <b>V</b> 24 V <b>mat.</b> PA 6.6 Nylon <b>A</b> 20 A 	<b>SD.229</b> type <b>S</b> vpe <b>1</b> <b>V</b> 24 V <b>mat.</b> PA 6.6 Nylon <b>A</b> 20 A 	<b>SD.207</b> type <b>N</b> vpe <b>1</b> <b>V</b> 24 V <b>mat.</b> GFK <b>A</b> 20 A 	<b>SD.198</b> type <b>S</b> vpe <b>1</b> <b>V</b> 24 V <b>mat.</b> GFK <b>A</b> 20 A 
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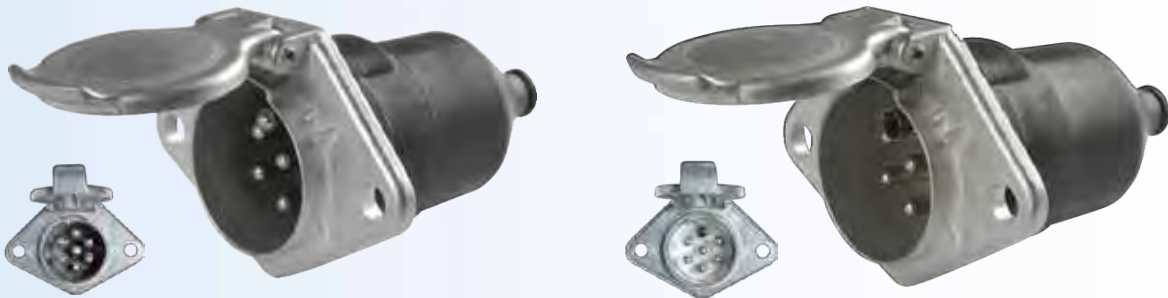






<b>SD.204</b> type <b>N</b> vpe <b>1</b> <b>V</b> 24 V <b>mat.</b> Aluminium <b>A</b> 20 A 	<b>SD.214</b> type <b>S</b> vpe <b>1</b> <b>V</b> 24 V <b>mat.</b> Aluminium <b>A</b> 20 A 	<b>SD.237</b> type <b>N</b> vpe <b>1</b> <b>V</b> 24 V <b>mat.</b> Aluminium <b>A</b> 20 A 	<b>SD.227</b> type <b>S</b> vpe <b>1</b> <b>V</b> 24 V <b>mat.</b> Aluminium <b>A</b> 20 A 
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-  **Stekerdozen 7 polig - kunststof / aluminium - slagvast** ISO 1185 - N
-  **Sockets 7 pins - synthetic material / aluminium - impact resistant** ISO 3731 - S
-  **Steckdosen 7 Polig - Kunststoff / Aluminium - Schlagfest**
-  **Prises à 7 pôles - matière en plastique / aluminium - résistant aux chocs** 



<b>SD.230</b> type <b>N</b> vpe <b>1</b> <b>V</b> 24 V <b>mat.</b> PA 6.6 Nylon <b>A</b> 20 A  	<b>SD.231</b> type <b>S</b> vpe <b>1</b> <b>V</b> 24 V <b>mat.</b> PA 6.6 Nylon <b>A</b> 20 A  
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<b>SD.202</b> type <b>N</b> vpe <b>1</b> <b>V</b> 24 V <b>mat.</b> Aluminium <b>A</b> 20 A  	<b>SD.212</b> type <b>S</b> vpe <b>1</b> <b>V</b> 24 V <b>mat.</b> Aluminium <b>A</b> 20 A  
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-  Stekerdozen 7 polig - kunststof / aluminium - slagvast
-  Sockets 7 pins - synthetic material / aluminium - impact resistant
-  Steckdosen 7 Polig - Kunststoff / Aluminium - Schlagfest
-  Prises à 7 pôles - matière en plastique / aluminium - résistant aux chocs

ISO 1185 - N

ISO 3731 - S



SD.205 type N vpe 1

V 24 V mat. Aluminium  
A 20 A



SD.200 type N vpe 1

V 24 V mat. Aluminium  
A 20 A



5x2 + 2x3







SD.209 type N vpe 1

V 24 V mat. Aluminium  
A 20 A



SD.203 vpe 1

stofkap - dust cover -  
Staubschutzabdeckung  
bouchon anti-poussière

-  ABS - Steker / Stekerdozen - 5 polig - trekontlasting - kunststof slagvast - ADR/GGVS gekeurd
-  ABS - Plugs / Sockets - 5 pins - pull relief - ADR/GGVS tested - impact resistant synthetic material
-  ABS - Stecker / Steckdosen - 5 polig - Kunststoff schlagfest mit Zugentlastung - ADR/GGVS geprüft
-  ABS - Fiches / Prises à 5 pôles - résistant aux chocs- avec serre câble - matière en plastique - ADR/GGVS contrôle

ISO 7638



SD.215 ABS - 5 p. vpe 1

V 24 V mat. PA 6.6 Nylon  
A 20 A crimp



SD.216 ABS - 5 p. vpe 1

V 24 V mat. PA 6.6 Nylon  
A 20 A crimp








SD.454 ABS - 5 p. vpe 1

V 24 V mat. PA 6.6 Nylon  
A 20 A




SD.455 ABS - 5 p. vpe 1


V 24 V mat. PA 6.6 Nylon  
A 20 A

-  EBS - Steker / Stekerdozen - 7 polig - trekontlasting - kunststof slagvast - ADR/GGVS gekeurd ISO 7638
-  EBS - Plugs / Sockets - 7 pins - pull relief - ADR/GGVS tested - impact resistant synthetic material 
-  EBS -Stecker / Steckdosen - 7 polig - Kunststoff schlagfest mit Zugentlastung - ADR/GGVS geprüft
-  EBS - Fiches / Prises à 7 pôles - résistant aux chocs- avec serre câble - matière en plastique - ADR/GGVS contrôle




SD.234 EBS - 7p. vpe 1  
**V** 24 V mat. PA 6.6 Nylon  
**A** 20 A  crimp










SD.235 EBS - 7p. vpe 1  
**V** 24 V mat. PA 6.6 Nylon  
**A** 20 A  crimp




SD.456 EBS - 7p. vpe 1  
**V** 24 V mat. PA 6.6 Nylon  
**A** 20 A  




SD.457 EBS - 7p. vpe 1  
**V** 24 V mat. PA 6.6 Nylon  
**A** 20 A  

-  ADR/GGVS - Steker / Stekerdozen - 15 polig - trekontlasting - kunststof slagvast - ADR/GGVS gekeurd ISO 12098
-  ADR/GGVS - Plugs / Sockets - 15 pins - pull relief - ADR/GGVS tested - impact resistant synthetic material 
-  ADR/GGVS -Stecker / Steckdosen - 15 polig - Kunststoff schlagfest mit Zugentlastung - ADR/GGVS geprüft
-  ADR/GGVS - Fiches / Prises à 15 pôles - résistant aux chocs- avec serre câble - matière en plastique - ADR/GGVS contrôle





SD.217  
**V** 24 V  
**A** 20 A  
 crimp  
mat. PA 6.6 Nylon  
type ADR/GGVS - 15 p.  
vpe 1





SD.218  
**V** 24 V  
**A** 20 A  
 crimp  
mat. PA 6.6 Nylon  
type ADR/GGVS - 15 p.  
vpe 1



SD.458  
**V** 24 V  
**A** 20 A  
   
mat. PA 6.6 Nylon  
type ADR/GGVS - 15 p.  
vpe 1





SD.459  
**V** 24 V  
**A** 20 A  
   
mat. PA 6.6 Nylon  
type ADR/GGVS - 15 p.  
vpe 1

-  Contactbus voor ABS / EBS / ADR-GGVS steker 5 - 7 - 15 polig ISO 7638
-  Contact sleeve for ABS / EBS / ADR-GGVS plug 5 - 7 - 15 pins
-  Kontakthülse für ABS / EBS / ADR-GGVS stecker 5 - 7 - 15 polig
-  Douille de contact ABS / EBS / ADR-GGVS fiche à 5 - 7 - 15 pôles



SD.220  1.0 - 2.5 mm<sup>2</sup> vpe 1  crimp



SD.226  4.0 mm<sup>2</sup> vpe 1  crimp



SD.462  1.0 - 2.5 mm<sup>2</sup> vpe 1 



SD.463  4.0 mm<sup>2</sup> vpe 1 

-  Contactstift voor ABS / EBS / ADR-GGVS stekerdozen 5 - 7 - 15 polig
-  Contact pin for ABS / EBS / ADR-GGVS sockets 5 - 7 - 15 pins
-  Kontaktstift für ABS / EBS / ADR-GGVS Steckdosen 5 - 7 - 15 polig
-  Plot de contact ABS / EBS / ADR-GGVS Prises à 5 - 7 - 15 pôles



SD.470 1.5 - 4.0 mm<sup>2</sup>

vpe 10



SD.222 1.0 - 2.5 mm<sup>2</sup>

vpe 1 crimp



SD.225 4.0 mm<sup>2</sup>

vpe 1 crimp







SD.460 1.0 - 2.5 mm<sup>2</sup>

vpe 1



SD.461 4.0 mm<sup>2</sup>

vpe 1

-  Afdichting voor contactstift / contactbus ABS / EBS / ADR-GGVS 5 - 7 - 15 polig
-  Seal for contact pin / contact sleeve ABS / EBS / ADR-GGVS 5 - 7 - 15 pins
-  Abdichtung für kontaktstift / kontakthülse ABS / EBS / ADR-GGVS 5 - 7 - 15 polig
-  Joint d' étanchéité pour plot de contact / douille de contact ABS / EBS / ADR-GGVS à 5 - 7 - 15 pôles



SD.243 1.0 - 2.5 mm<sup>2</sup>

8.5 mm

7.9 - 8.2 mm

vpe 50







SD.242 4.0 mm<sup>2</sup>

8.5 mm

7.9 - 8.2 mm



vpe 50

-  Parkeerdoos voor ABS / EBS / ADR-GGVS steker
-  Parking socket for ABS / EBS / ADR-GGVS plug
-  Parksteckdose für ABS / EBS / ADR-GGVS stecker
-  Prise de stationnement pour fiche ABS / EBS / ADR-GGVS



SD.219

vpe 1

-  Nato Steker / Stekerdozen - 12 polig - trekontlasting - roestvrij staal - VG gekeurd
-  Nato Plugs / Sockets - 12 pins - pull relief - VG tested - stainless steel
-  Nato Stecker / Steckdosen - 12 polig - Rostfrei Stahl - Zugentlastung - VG geprüft
-  Nato Fiches / Prises à 12 pôles - résistant aux chocs - avec serre câble - acier inoxydable - VG contrôle



VG 96 923 L002

SD.248

24 V



vpe 1



VG 96 923 A-12S

SD.249

24 V



vpe 1



VG 96 923 G-12P

SD.250

24 V 17.5 mm<sup>2</sup>



vpe 1



VG 96 923 B1-12P

SD.251

24 V 17.5 mm<sup>2</sup>



vpe 1



VG 96 923 B1-12P

SD.252

24 V 23.5 mm<sup>2</sup>



vpe 1



**mato**

13



Elektrospiraalkabel - Remlucht spiralen



Electrical coils - Air brake coils



Elektrowendel - Luftbremswendel







Flexibles électriques

Flexibles pour frein pneumatiques





-  Elektrospiraalkabels: polyurethaan - 7 aderig / 2 aangevulniseerde kunststof stekers 7 p. - kabel 6x1.0 + 1x1.5 mm<sup>2</sup>
-  Elektrical coils polyurethane : 7 core / 2 moulded synthetic plugs 7 pins - cable 6x1.0 + 1x1.5 mm<sup>2</sup>
-  Elektrowendel Polyurethan : 7 adrig mit 2 gespritzte kunststofsteckern 7 Polig - Kabel 6x1.0 + 1x1.5 mm<sup>2</sup>
-  Flexibles électriques polyuréthane : à 7 conducteurs / 2 fiches plastique moulées - 7 pôles - câble 6x1.0 + 1x1.5 mm<sup>2</sup>



type N



type S

24V  
N - ISO 1185  
S - ISO 3731  
-40°C / +85°C

SD.309  $\longleftrightarrow$  3.5 mtr 1  
 36 inside Ø outside 20 Ø 40

SD.310  $\longleftrightarrow$  3.5 mtr 1  
 36 inside Ø outside 20 Ø 40

-  Elektrospiraalkabels: polyurethaan - 7 aderig / 2 metalen stekers 7 p. - kabel 6x1.0 + 1x1.5 mm<sup>2</sup>
-  Elektrical coils polyurethane : 7 core / 2 metal plugs 7 pins - cable 6x1.0 + 1x1.5 mm<sup>2</sup>
-  Elektrowendel Polyurethan : 7 adrig mit 2 Metallstecker 7 polig - Kabel 6x1.0 + 1x1.5 mm<sup>2</sup>
-  Flexibles électriques polyuréthane : à 7 conducteurs / 2 fiches métal à 7 pôles - câble 6x1.0 + 1x1.5 mm<sup>2</sup>


24V  
N - ISO 1185  
S - ISO 3731  
-40°C / +85°C







type N



type S

SD.305  $\longleftrightarrow$  3.5 mtr 1 inside  
 36 Ø outside 20 Ø 40

SD.306  $\longleftrightarrow$  3.5 mtr 1  
 36 inside Ø outside 20 Ø 40

-  Elektrospiraalkabels: polyurethaan - 7 aderig / 2 gemonteerde kunststof stekers 7 p. - kabel 6x1.0 + 1x1.5 mm<sup>2</sup>
-  Elektrical coils polyurethane : 7 core / 2 mounted synthetic plugs 7 pins - cable 6x1.0 + 1x1.5 mm<sup>2</sup>
-  Elektrowendel Polyurethan : 7 adrig mit 2 montierte Kunststoffsteckern 7 Polig - Kabel 6x1.0 + 1x1.5 mm<sup>2</sup>
-  Flexibles électriques polyuréthane : à 7 conducteurs / 2 fiches plastique montées - 7 pôles - câble 6x1.0 + 1x1.5 mm<sup>2</sup>


24V  
N - ISO 1185  
S - ISO 3731  
-40°C / +85°C

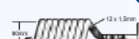






type N







type S

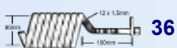
SD.311  $\longleftrightarrow$  3.5 mtr 1  
 36 inside Ø outside 20 Ø 40

SD.312  $\longleftrightarrow$  3.5 mtr 1  
 36 inside Ø outside 20 Ø 40

-  polyurethaan mantel, extreem houdbaar met uitstekende chemische weerstand - hitte en UV bestendig - voldoet volledig aan ADR voorschriften
-  polyurethane sheath, extremely durable with excellent chemical resistance- heat and UV stabilised material - fully complies with ADR regulations
-  polyurethan mantel, extrem haltbar mit ausgezeichneter chemischer widerstandsfähigkeit - wärme- und UV stabilisierter wekstoff - entspricht völlig den ADR vorschritten
-  la gaine polyuréthane est extrêmement durable et présente une excellente résistance aux agents chimiques - matériau stable à la chaleur et aux UV - entièrement conforme aux réglementations ADR

-  Elektrospiraalkabels ABS: polyurethaan - 5 aderig / 2 gemonteerde ABS stekers 5 p. - kabel 3x1.5 + 2x4.0 mm<sup>2</sup> ⚡ -40°C / +85°C
-  Elektrical coils ABS, polyurethane : 5 core / 2 mounted synthetic ABS plugs 5 pins - cable 3x1.5 + 2x4.0 mm<sup>2</sup>
-  Elektrowendel ABS, Polyurethan : 5 adrig mit 2 montierte ABS Kunststoffsteckern 5 Polig - Kabel 3x1.5 + 2x4.0 mm<sup>2</sup>
-  Flexibles électriques ABS, polyuréthane : à 5 conducteurs / 2 fiches plastique ABS montées - 5 pôles - câble 3x1.5 + 2x4.0 mm<sup>2</sup>

SD.307 type ABS



inside Ø 35  
outside Ø 60

3.5 mtr

1



SD.300 type ABS



inside Ø 35  
outside Ø 60

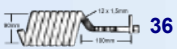
4.0 mtr

1



-  Elektrospiraalkabels EBS: polyurethaan - 7 aderig / 2 gemonteerde EBS stekers 7 p. - kabel 3x1.5 + 2x1.5 + 2x4.0 mm<sup>2</sup> 24V ISO 7638
-  Elektrical coils EBS, polyurethane : 7 core / 2 mounted synthetic EBS plugs 7 pins - cable 3x1.5 + 2x1.5 + 2x4.0 mm<sup>2</sup> ⚡ -40°C / +85°C
-  Elektrowendel EBS, Polyurethan : 7 adrig mit 2 montierte EBS Kunststoffsteckern 7 Polig - Kabel 3x1.5 + 2x1.5 + 2x4.0 mm<sup>2</sup>
-  Flexibles électriques EBS, polyuréthane : à 7 conducteurs / 2 fiches plastique EBS montées - 7 pôles - câble 3x1.5 + 2x1.5 + 2x4.0 mm<sup>2</sup>

SD.308 - type EBS



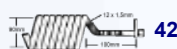
inside Ø 35  
outside Ø 60

3.5 mtr

1



SD.304 - type EBS







inside Ø 35  
outside Ø 60

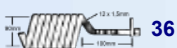
4.0 mtr

1



-  Elektrospiraalkabels ADR/GGVS: polyurethaan - 15 aderig / 2 gemonteerde ADR/GGVS stekers 15 p. - kabel 10x1.5 + 2x1.5 + 3x2.5 mm<sup>2</sup>
-  Elektrical coils ADR/GGVS, polyurethane : 15 core / 2 mounted synthetic ADR/GGVS plugs 15 pins - cable 10x1.5 + 2x1.5 + 3x2.5 mm<sup>2</sup>
-  Elektrowendel ADR/GGVS, Polyurethan : 15 adrig mit 2 montierte ADR/GGVS Kunststoffsteckern 15 Polig - Kabel 10x1.5 + 2x1.5 + 3x2.5 mm<sup>2</sup>
-  Flexibles électriques ADR/GGVS, polyuréthane : à 15 conducteurs / 2 fiches plastique ADR/GGVS montées - 15 pôles - câble 10x1.5 + 2x1.5 + 3x2.5 mm<sup>2</sup>

SD.321 type ADR/GGVS



inside Ø 35  
outside Ø 60

3.5 mtr

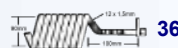
1



24V ISO 12098

⚡ 40°C / +85°C

SD.303 type ADR/GGVS



inside Ø 35  
outside Ø 60

4.0 mtr

1



24V ISO 12098

⚡ 40°C / +85°C

 polyurethaan mantel, extreem houdbaar met uitstekende chemische weerstand - hitte en UV bestendig - voldoet volledig aan ADR/GGVS voorschriften - steker: polyamide 6, glasvezel versterkt - slagvast - crimpaansluiting - trekcontlasting




 polyurethane sheath, extremely durable with excellent chemical resistance - heat and UV stabilised material - fully complies with ADR/GGVS regulations - plug: with glasfiber reinforced polyamide 6 material - impact resistant - pull relief - crimp connection

 polyurethan mantel, extrem haltbar mit ausgezeichneter chemischer widerstandsfähigkeit - wärme- und UV stabilisierter wekstoff - entspricht völlig den ADR/GGVS Vorschriften - Stecker: Polyamid 6, Glasfaser verstärkt - Schlagfest - mit Zugentlastung - Crimpanschluss




 la gaine polyuréthane est extrêmement durable et présente une excellente résistance aux agents chimiques - matériau stable à la chaleur et aux UV - entièrement conforme aux réglementations ADR/GGVS - fiche: matière en polyamide 6 renforcée à fibre de verre - résistant aux chocs - avec serre câble - connexion à sertir

-  Elektrospiraalkabels: polyurethaan - 2 aderig / 2 gemonteerde metalen stekkers 2 p. - kabel 2x35.0 mm<sup>2</sup>
-  Electrical coils polyurethane : 2 core / 2 mounted metal plugs 2 pins - cable 2x35.0 mm<sup>2</sup>
-  Elektrowendel Polyurethan : 2 adrig mit 2 montierte Metalstecker 2 Polig - Kabel 2x35.0 mm<sup>2</sup>
-  Flexibles électriques polyuréthane : à 2 conducteurs / 2 fiches métal montées - 2 pôles - câble 2x35.0 mm2






**SD.333**  
 type 2P / 2x35.0 mm2  
 36  
 inside Ø 29  
 outside Ø 55  
 24V  -40°C / +85°C  
 3.5 mtr  
 1







**SD.340**  
 type 2P / 2x35.0 mm2  
 45  
 inside Ø 29  
 outside Ø 55  
 24V  -40°C / +85°C  
 6.0 mtr  
 1

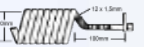


-  Elektrospiraalkabels: polyurethaan - 2 aderig / 2 gemonteerde kunststof stekkers 2 p. - kabel 2x35.0 mm<sup>2</sup>
-  Electrical coils polyurethane : 2 core / 2 mounted plasticplugs 2 pins - cable 2x35.0 mm<sup>2</sup>
-  Elektrowendel Polyurethan : 2 adrig mit 2 montierte Kunststoffecker 2 Polig - Kabel 2x35.0 mm<sup>2</sup>
-  Flexibles électriques polyuréthane : à 2 conducteurs / 2 fiches plastic montées - 2 pôles - câble 2x35.0 mm2



**SD.334**  
 type 2P / 2x35.0 mm2  
 36  
 inside Ø 35  
 outside Ø 65  
 24V  -40°C / +85°C  
 3.5 mtr  
 1





-  Elektrospiraalkabels: polyurethaan - 3 aderig - 2 aangevulcaniseerde kunststof stekkers 3 p. - kabel 3x6.0 mm<sup>2</sup>
-  Electrical coils polyurethane : 3 core - 2 moulded synthetic plugs 3 pins - cable 3x6.0 mm<sup>2</sup>
-  Elektrowendel Polyurethan : 3 adrig mit 2 gespritzte kunststofsteckern 3 Polig - Kabel 3x6.0 mm<sup>2</sup>
-  Flexibles électriques polyuréthane : à 3 conducteurs 2 fiches plastique moulées - 3 pôles - câble 3x6.0 mm2







**SD.319**  
 type 3P/6.0 mm2  
 36  
 inside Ø 20  
 outside Ø 40  
 24V  -40°C / +85°C  
 3.5 mtr  
 1

-  Adapterkabels: polyurethaan - 2x7 aderig / 2 aangevulniseerde stekers N/S 7 p. + 1 steker 15 p. - kabel 6x1.0 + 1x1.5 mm<sup>2</sup> N - ISO 1185
-  Adapter cable polyurethane : 2x7 core / 2 moulded plugs N/S 7 pins + 1 plug 15 pins - cable 6x1.0 + 1x1.5 mm<sup>2</sup> S - ISO 3731
-  Adapterkabel Polyurethan : 2x7 adrig mit 2 gespritzte Stecker N/S 7 Polig + 1 Stecker 15 p. - Kabel 6x1.0 + 1x1.5 mm<sup>2</sup> ISO 12098
-  Câble adaptateur - polyuréthane à 2x7 conducteurs / 2 fiches N/S plastique moulées - 7 pôles + 1 fiche 15p - câble 6x1.0 + 1x1.5 mm<sup>2</sup>



type 9 conn.  36  3.5 mtr  
 SD.328 inside Ø 20  -40°C / +85°C  
 24V outside Ø 40 








type 12 conn.  36  3.5 mtr  
 SD.324 inside Ø 20  -40°C / +85°C  
 24V outside Ø 40 



type 13 conn.  36  3.5 mtr  
 SD.327 inside Ø 20  -40°C / +85°C  
 24V outside Ø 40 



type 14 conn.  36  3.5 mtr  
 SD.329 inside Ø 20  -40°C / +85°C  
 24V outside Ø 40 

-  Compact adapter - N/S 7 p. + 15 p. 24V
-  Compact adapter - N/S 7 p. + 15 p. N - ISO 1185 / S - ISO 3731
-  Kompact adapter - N/S 7 p. + 15 p. ISO 12098
-  Adaptateur compacte - N/S 7 p. + 15 p.  40°C / +85°C



SD.320  
type 9 conn.



SD.336  
type 13 conn.



- Verlengkabels 12V
- Extension cables 12V
- Verlängerungskabel 12V
- Câbles d'extension 12V



SD.339 vpe 1

Electrospiraal / verlengkabel met 2 x 13-polige Jeager stekker.  
Werklengte 3.5 mtr

SD.331 vpe 1

Electrospiraal / verlengkabel met 1 x 13-polige Jeager stekker  
+ 1 x 13 polige zwevende stekkerdoos. Werklengte 3.5 mtr



SD.337 vpe 1

Electrospiraal / verlengkabel met 2 x 7-polige kunststof stekker.  
Werklengte 3.5 mtr

SD.338 vpe 1

Electrospiraal / verlengkabel met 2 x 7-polige kunststof stekker.  
Werklengte 3.5 mtr



- Elektrospiraalkabels polyurethaan zonder steker / doos
- Elektrical coils polyurethane without socket / plug
- Elektrowendel Polyurethan ohne Stecker / Steckdose
- Flexibles électriques polyuréthane sans fiche / prise

−40°C / +85°C



type 3x1.00 mm2

SD.313 3.5 mtr 1

56 inside Ø outside 15 Ø 30



type 4x1.00 mm2

SD.314 3.5 mtr 1

56 inside Ø outside 15 Ø 30



type 5x1.00 mm2

SD.315 3.5 mtr

56 inside Ø outside 15 Ø 30



Elektrospiraalkabels polyurethaan zonder steker / doos  
 Elektrical coils polyurethane without socket / plug  
 Elektrowendel Polyurethan ohne Stecker / Steckdose  
 Flexibles électriques polyuréthane sans fiche / prise

−40°C / +85°C



type 6x1.0 + 1x2.5 mm<sup>2</sup>

SD.316 3.5 mtr 1



36 inside Ø outside 20 Ø 40



ABS - type 3x1.5 + 2x4.0 mm<sup>2</sup>

SD.317 3.5 mtr 1



36 inside Ø outside 35 Ø 60



EBS - type 5x1.5 + 2x4.0 mm<sup>2</sup>

SD.318 3.5 mtr 1



36 inside Ø outside 35 Ø 60

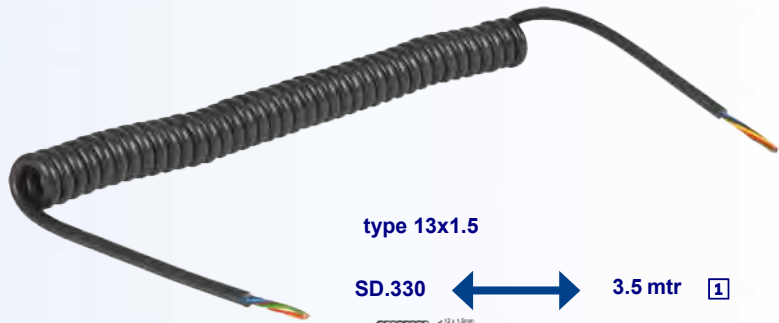


ADR/GGVS - 10x1.5 + 1x2.5 + 3x2.5 mm<sup>2</sup>

SD.322 3.5 mtr 1



36 inside Ø outside 35 Ø 60



type 13x1.5

SD.330 3.5 mtr 1



36 inside Ø 35 outside Ø 50



type 3x6.0 mm<sup>2</sup>

SD.323 3.5 mtr



36 inside Ø outside 20 Ø 40



type 2x35 mm<sup>2</sup>

SD.332 3.5 mtr



36 inside Ø outside 20 Ø 40



type 35 mm<sup>2</sup>

SD.325 3.5 mtr 1



36 inside Ø outside 35 Ø 60



type 35 mm<sup>2</sup>

SD.326 3.5 mtr 1



36 inside Ø outside 35 Ø 60



type 4x2.5 mm<sup>2</sup>

SD.335 3.5 mtr 1




40 inside Ø outside 20 Ø 40

- polyurethaan mantel, extreem houdbaar met uitstekende chemische weerstand - hitte en UV bestendig - voldoen volledig aan ADR voorschriften
- polyurethane sheath, extremely durable with excellent chemical resistance- heat and UV stabilised material - fully complies with ADR regulations
- polyurethan mantel, extrem haltbar mit ausgezeichneter chemischer widerstandsfähigkeit - wärme- und UV stabilisierter wekstoff - entspricht völlig den ADR vorschriften
- la gaine polyuréthane est extrêmement durable et présente une excellente résistance aux agents chimiques - matériau stable à la chaleur et aux UV entièrement conforme aux réglementations ADR

 Remlucht spiralen - dubbelwandig: polyurethaan / polyamide

 Air brake coils - double layer: polyurethane / nylon

 Luftbremswendel - doppelwändig: Polyurethan / Polyamid

 Flexibles pour frein pneumatiques - à double parois: polyuréthane / polyamide

PU/PA - Ø 70 mm

DIN 74323 - DIN 74324 - DIN 74378 - TUV

🌡️ -40°C / +85°C

pc 18 BAR (23°C) - pb 50 BAR (23°C)



M16 x 1.5

LL.001



4.0 mtr 



M16 x 1.5



22



M16 x 1.5

LL.002



4.0 mtr 



M16 x 1.5



22



M16 x 1.5

LL.001M



4.0 mtr 



M16 x 1.5



22



M16 x 1.5

LL.002M



4.0 mtr 



M16 x 1.5



22



M22 x 1.5

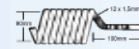
LL.007



4.0 mtr 



M22 x 1.5



22



M22 x 1.5

LL.008



4.0 mtr 



M22 x 1.5



22



M22 x 1.5

LL.007M



4.0 mtr 



M22 x 1.5



22



M22 x 1.5

LL.008M



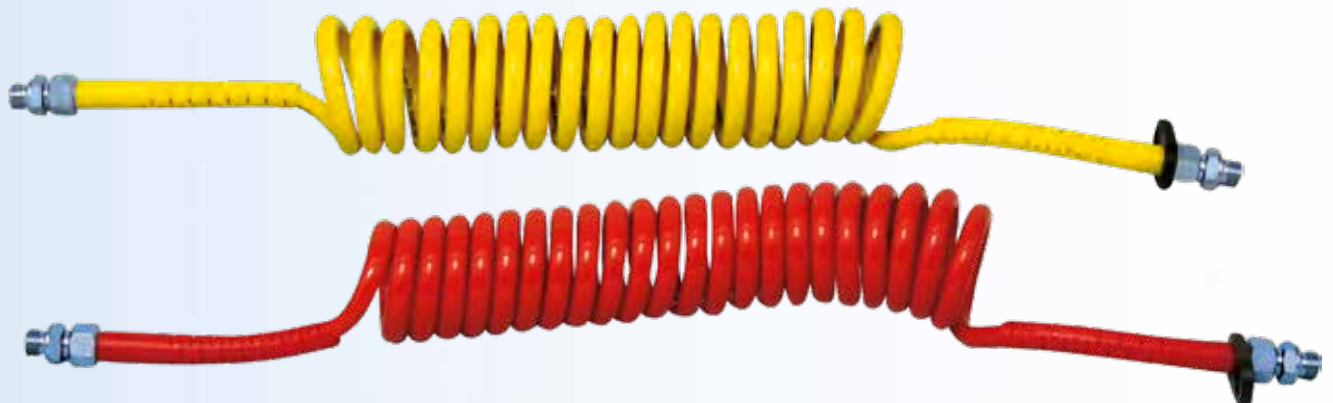
4.0 mtr 




M22 x 1.5




22



 Onbreekbaar - materiaal: polyurethaan / polyamide - temperatuur bereik -40°C / +85°C - warmte en licht gestabiliseerd - stalen aansluitnippels - kunststof anti knik protectie - voorzien van ophangoog - getest op 10.000 buigingen

 Unbreakable - material: polyurethane / nylon - temperature range -40°C / +85°C - heat and light stabilised - steel compression fittings - moulded colour-coded anti-kink protection - complete with storage loop - tested to 10.000 articulations

 Bruchfest - Material: Polyurethan / Polyamid - Temperaturbereich -40°C / +85°C - Wärme und Lichtstabilisiert - Dreiteilige Stahlanschlüsse - Gespritzter farbcodierter Knickschutz - Komplett mit Halte-öse - getestet mit 10.000 Biegungen

 Incassable - matériau: polyuréthane / polyamide - portée de température -40°C / +85°C - stabilisé à la chaleur et à la lumière - raccords à compression en acier - protection moulée anti-coque à code couleurs - muni de boucle de lochage - Epruvé sur 10.000 articulations



**mato**

14



Accu producten - toebehoren



Batterie related products



Akku Produkte




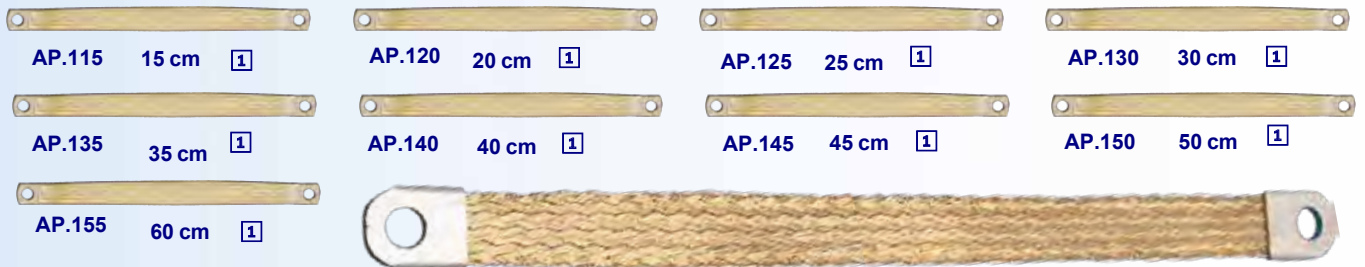
Produits à relation de batterie







-  Massa strips - koper/vertind - M10 - breedte 22 mm
-  Batterie earthing cables - tinned copper - M10 - width 22 mm
-  Batterie Massebänder - verzinnertes Kupfergewebeband - M10 - breite 22 mm
-  Tresse de masse de batterie - cuivre zingués - M10 - latitude 22 mm



-  Verbindings strips - koper/vertind - M10 - breedte 22 mm
-  Earthing cables - tinned copper - M10 - width 22 mm
-  Massebänder - verzinnertes Kupfergewebeband - M10 - breite 22 mm
-  Bande de mise à la masse - cuivre zingués - M10 - latitude 22 mm



-  Verdeel strips incl. kap
-  Dividing strips incl. cover
-  Verteilerstreifen inkl. Haube
-  Rubans distributeurs y compris le capot



**AP.078**  
**zwart 4 polig**   
 Studs: 4 x M10  
 Dim: H26.8xW28.9xD133.5  
 Max Rating (12V): **210A**




**AP.079**  
**rood 4 polig**   
 Studs: 4 x M10  
 Dim: H26.8xW28.9xD133.5  
 Max Rating (12V): **210A**



**AP.011**  
**zwart 10 polig**   
 Studs: 2 x M6  
 Screws: 10 x M4  
 Dim: H37.3xW31.8xD152.4  
 Max Rating (12V): **150A**







**AP.012**  
**rood 10 polig**   
 Studs: 2 x M6  
 Screws: 10 x M4  
 Dim: H37.3xW31.8xD152.4  
 Max Rating (12V): **150A**



**AP.013**  
**zwart 12 polig**   
 Studs: 1 x M6  
 Screws: 12 x M4  
 Dim: H27.8xW28.9xD132.9  
 Max Rating (12V): **180A**



**AP.014**  
**rood 12 polig**   
 Studs: 1 x M6  
 Screws: 12 x M4  
 Dim: H27.8xW28.9xD132.9  
 Max Rating (12V): **180A**

-  Power distribution posts
-  Power distribution posts
-  Power distribution posts
-  Post de distribution de puissance

- Booster Contact Punten
- Booster Contact Points
- Booster-Kontaktstellen
- Points de contact de rappel



**AP.070** 1  
**1 polig 190 Amp - 12V**  
 1 weg verdeelpunt met M8 bout.  
 kleur rood - eenvoudig montage  
 voorgeboorde gaten in de voet.  
 Dim: H41.4xW24.6xD53.3



**AP.071** 1  
**1 polig 190 Amp - 12V**  
 1 weg verdeelpunt met M8 bout.  
 kleur zwart - eenvoudig montage  
 voorgeboorde gaten in de voet.  
 Dim: H41.4xW24.6xD53.3



**AP.072** 1  
**1 polig 240 Amp - 12V**  
 1 weg verdeelpunt met M10 bout.  
 kleur rood - eenvoudig montage  
 voorgeboorde gaten in de voet.  
 Dim: H54.4xW44.5xD83.8



**AP.073** 1  
**1 polig 240 Amp - 12V**  
 1 weg verdeelpunt met M10 bout.  
 kleur zwart - eenvoudig montage  
 voorgeboorde gaten in de voet.  
 Dim: H54.4xW44.5xD83.8



**AP.074** 1  
**8 polig 160 Amp - 12V**  
 8-weg aansluiting. Kleur rood  
 M8 bout in het midden + 8 M4  
 schroeven voor andere aansluitingen.  
 Dim: H53.8xW45.4xD85.0



**AP.075** 1  
**8 polig 160 Amp - 12V**  
 8-weg aansluiting. Kleur zwart  
 M8 bout in het midden + 8 M4  
 schroeven voor andere aansluitingen.  
 Dim: H53.8xW45.4xD85.0







**AP.076** 1  
**1 polig 350 Amp - 12V (max 48V)**  
 1-weg aansluiting.  
 Kleur rood  
 M10 bout in het midden



**AP.077** 1  
**1 polig 350 Amp - 12V (max 48V)**  
 1-weg aansluiting.  
 Kleur zwart  
 M10 bout in het midden

#### Booster Contact Punten

-  Accupoolklemmen - koper
-  Battery terminals - copper
-  Batterieklemmen - Kupfer
-  Pincés à cosse - cuivre

Nissan - Fiat - Suzuki - Mazda

Nissan - Fiat - Suzuki - Mazda M7



**M6**  
 Standaard



Standaard

**M6**



Ø 13 mm

**AP.201** + 10  
 Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>



Ø 12 mm

**AP.202** - 10  
 Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>

**M7**



**M8**

**AP.205** + 10  
 Kabel / cable / câble Ø 25 - 50 mm<sup>2</sup>



Heavy Duty

**M8**

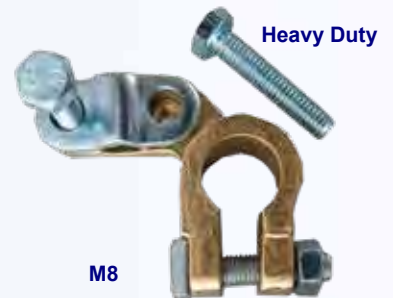
**AP.206** - 10  
 Kabel / cable / câble Ø 25 - 50 mm<sup>2</sup>



Heavy Duty

**M8**

**AP.207** + 10  
 Kabel / cable / câble Ø 25 - 70 mm<sup>2</sup>



Heavy Duty

**M8**

**AP.208** - 10  
 Kabel / cable / câble Ø 25 - 70 mm<sup>2</sup>

-  Accupoolklemmen - koper - 2 aansluitingen
-  Battery terminals - copper - 2 connections
-  Batterieklemmen - Kupfer - 2 Anschlüsse
-  Pincés à cosse - cuivre - 2 connections



AP.213 + 5

Kabel / cable / câble Ø 25 - 70 mm<sup>2</sup>



AP.214 - 5

Kabel / cable / câble Ø 25 - 70 mm<sup>2</sup>







AP.188 + 10

Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>



AP.189 - 10

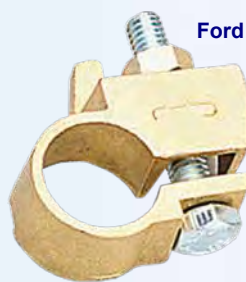
Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>

-  Accupoolklemmen - koper
-  Battery terminals - copper
-  Batterieklemmen - Kupfer
-  Pincés à cosse - cuivre



AP.219 + 10

Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>



AP.220 - 10

Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>

-  Accupoolklemmen - koper/vertind - vleugelmoer
-  Battery terminals - tinned copper- thumb nut
-  Batterieklemmen - verzinnés Kupfer- Finger Mutter
-  Pincés à cosse - cuivre zingués- écrou à serrage à main







AP.215 + 10

Kabel / cable / câble Ø 25 - 70 mm<sup>2</sup>



AP.216 -

Kabel / cable / câble Ø 25 - 70 mm<sup>2</sup>

-  Accupoolklemmen - koper
-  Battery terminals - copper
-  Batterieklemmen - Kupfer
-  Pincés à cosse - cuivre







AP.166 + 10

Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>



AP.167 - 10

Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>

-  Accupoolklemmen - koper/vertind - vleugelmoer
-  Battery terminals - tinned copper- thumb nut
-  Batterieklemmen - verzinnés Kupfer- Finger Mutter
-  Pincés à cosse - cuivre zingués- écrou à serrage à main

CFP8



AP.221 + 5

M8 - 1P







CFP8



AP.222 - 5

5 M8 - 2P



-  Accupoolklemmen - koper
-  Battery terminals - copper
-  Batterieklemmen - Kupfer
-  Pincas à cosse - cuivre

Quickpower



AP.226-O + 10

Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>

AP.226BLS +





Blister 1

AP.227-O - 10

Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>

AP.227BLS -

Blister 1

-  Accupoolklemmen - koper
-  Battery terminals - copper
-  Batterieklemmen - Kupfer
-  Pincas à cosse - cuivre

Peugeot - Renault - Citroën



AP.211 + 10

Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>



AP.212 - 10

Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>



AP.232 + 5

Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>



AP.233 - 5

Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>

Renault



AP.236 + 10

Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>

Renault



AP.237 - 10

Kabel / cable / câble Ø 16 - 35 mm<sup>2</sup>



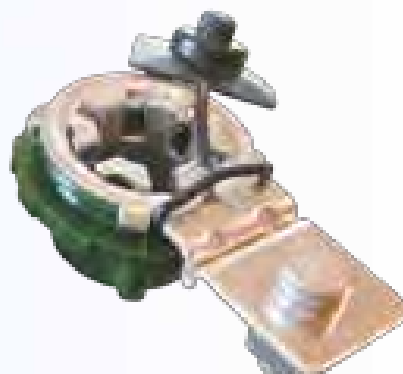
AP.224 + 10


1xM8 / 2xM5 - Ø 16 - 35 mm<sup>2</sup>



AP.225 - 10

1xM8 / 2xM5 - Ø 16 - 35 mm<sup>2</sup>



-  Accupoolklemmen - koper/vertind
-  Battery terminals - tinned copper
-  Batterieklemmen - verzinnertes Kupfer
-  Pincés à cosse - cuivre zingués

**Heavy Duty - MAN**



AP.217 - 5  
Kabel / cable / câble Ø 25 - 70 mm<sup>2</sup>



AP.172 + 10  
Kabel / cable / câble Ø 25 - 70 mm<sup>2</sup>



AP.171 + 5  
Kabel / cable / câble Ø 25 - 70 mm<sup>2</sup>



AP.209 + 10  
Kabel / cable / câble Ø 25 - 70 mm<sup>2</sup>




AP.223 - 5  
Kabel / cable / câble Ø 25 - 70 mm<sup>2</sup>



AP.200 + 5  
Kabel / cable / câble Ø 25 - 70 mm<sup>2</sup>



AP.210 - 10  
Kabel / cable / câble Ø 25 - 70 mm<sup>2</sup>

-  Accupoolklemmen - soldeer - koper/vertind
-  Battery terminals - soldering - tinned copper
-  Batterieklemmen - zum Lötén - verzinnertes Kupfer
-  Pincés à cosse - soudage - cuivre zingués



AP.190 + 10  
Kabel Ø 25 mm<sup>2</sup>



AP.191 - 10  
Kabel Ø 25 mm<sup>2</sup>



AP.192 + 10  
Kabel Ø 35 mm<sup>2</sup>



AP.193 - 10  
Kabel Ø 35 mm<sup>2</sup>



AP.194 + 10  
Kabel Ø 50 mm<sup>2</sup>



AP.195 - 10  
Kabel Ø 50 mm<sup>2</sup>



AP.196 + 10  
Kabel Ø 70 mm<sup>2</sup>







AP.197 - 10  
Kabel Ø 70 mm<sup>2</sup>



AP.198 + 10  
Kabel Ø 95 mm<sup>2</sup>



AP.199 - 10  
Kabel Ø 95 mm<sup>2</sup>

-  Acculaad klemmen - ongeïsoleerd
-  Battery clips - non insulated
-  Batterie Ladeklemmen - nicht isoliert
-  Bornes de charge de batterie - non isolée







AP.300 10  
 + - 5 amp. - 49 mm - Ø 4 mm<sup>2</sup>



AP.301 10  
 + - 25 amp. - 78 mm - Ø 6 mm<sup>2</sup>



AP.302 10  
 + - 50 amp. - 105 mm - Ø 10 mm<sup>2</sup>

-  Acculaad klemmen - half geïsoleerd
-  Battery clips - half insulated
-  Batterie Ladeklemmen - halb isoliert
-  Bornes de charge de batterie - demi isolée



AP.337 + 10  
 5 amp. - 43 mm - Ø 10 mm<sup>2</sup>



AP.338 - 10  
 5 amp. - 43 mm - Ø 10 mm<sup>2</sup>



AP.303 + 1  
 40 amp. - 82 mm - Ø 10 mm<sup>2</sup>



AP.304 - 1  
 40 amp. - 82 mm - Ø 10 mm<sup>2</sup>



AP.305 + 1  
 100 amp. - 143 mm - Ø 25 mm<sup>2</sup>






AP.306 - 1  
 100 amp. - 143 mm - Ø 25 mm<sup>2</sup>



AP.307 + 1  
 120 amp. - 180 mm - Ø 35 mm<sup>2</sup>



AP.308 - 1  
 120 amp. - 180 mm - Ø 35 mm<sup>2</sup>

-  Acculaad klemmen - brons - half geïsoleerd
-  Battery clips - bronze - half insulated
-  Batterie Ladeklemmen - Bronzeguss - halb isoliert
-  Bornes de charge de batterie - bronze - demi isolée

**Heavy Duty**



AP.310 + 1  
 250 amp. - 160 mm - Ø 35 mm<sup>2</sup>



AP.311 - 1  
 250 amp. - 160 mm - Ø 35 mm<sup>2</sup>



AP.312 + 1  
 350 amp. - 160 mm - Ø 50 mm<sup>2</sup>



AP.313 - 1  
 350 amp. - 160 mm - Ø 50 mm<sup>2</sup>

-  Acculaad klemmen - brons - half geïsoleerd
-  Battery clips - bronze - half insulated
-  Batterie Ladeklemmen - Bronzeguss - halb isoliert
-  Bornes de charge de batterie - bronze - demi isolée

**Heavy Duty**



met massastrap

AP.320 + 1  
350 amp. - 160 mm - Ø 50 mm<sup>2</sup>



met massastrap

AP.321 - 1  
350 amp. - 160 mm - Ø 50 mm<sup>2</sup>



met massastrap

AP.317 + 1  
600 amp. - 160 mm - Ø 70 mm<sup>2</sup>



met massastrap

AP.318 - 1  
600 amp. - 160 mm - Ø 70 mm<sup>2</sup>



AP.314  
BOUT VOOR AP.312/313







AP.309  
BOUT VOOR AP.310/311



AP.319  
BOUT VOOR AP.317/318



AP.339  
MOER

-  Acculaad klemmen - plaatstaal klemmen volledig geïsoleerd
-  Battery clips - fully insulated steel plated clips
-  Batterie Ladeklemmen - voll isolierte Stahlblech Ladeklemmen
-  Bornes de charge de batterie - bornes: tôle d'acier, isolée complet



AP.322 + 1  
40 amp. - 80 mm - Ø 10 mm<sup>2</sup>



AP.323 - 1  
40 amp. - 80 mm - Ø 10 mm<sup>2</sup>



AP.324 + 1  
80 amp. - 125 mm - Ø 10 mm<sup>2</sup>



AP.325 - 1  
80 amp. - 125 mm - Ø 10 mm<sup>2</sup>



AP.315 + 1  
100 amp. - 170 mm - Ø 25 mm<sup>2</sup>



AP.316 - 1  
100 amp. - 170 mm - Ø 25 mm<sup>2</sup>



AP.326 + 1  
200 amp. - 170 mm - Ø 35 mm<sup>2</sup>



AP.327 - 1  
200 amp. - 170 mm - Ø 35 mm<sup>2</sup>



Acculaad klemmen - plaatstaal klemmen volledig geïsoleerd

Battery clips - fully insulated steel plated clips

Batterie Ladeklemmen - voll isolierte Stahlblech Ladeklemmen

Bornes de charge de batterie - bornes: tôle d'acier, isolée complet



met massastrip



met massastrip



met massastrip



met massastrip



AP.328 + 1

600 amp. - 170 mm - Ø 35 mm<sup>2</sup>



AP.329 - 1

600 amp. - 170 mm - Ø 35 mm<sup>2</sup>



AP.330 + 1

750 amp. - 180 mm - Ø 50 mm<sup>2</sup>



AP.331 - 1

750 amp. - 180 mm - Ø 50 mm<sup>2</sup>



met massastrip



met massastrip



met massastrip



met massastrip



AP.332 + 1

1000 amp. - 180 mm - Ø 50 mm<sup>2</sup>



AP.333 - 1

1000 amp. - 180 mm - Ø 50 mm<sup>2</sup>



AP.340 + 1

1000 amp. - 180 mm - Ø 50 mm<sup>2</sup>







AP.341 - 1

1000 amp. - 180 mm - Ø 50 mm<sup>2</sup>





-  Startkabel sets - plaatstaal klemmen volledig geïsoleerd met 2 koperen inlays en massastrap - "Highflex" kabel
-  Boostercable sets - fully insulated steel plated clips with 2 copper inserts and earthing cable- "Highflex" cable
-  Starthilfe Kabel - voll isolierte Stahlblech Ladeklemmen mit 2 Gusseinlagen und Masseband - "Highflex" Leitung
-  Jeu de câble de démarrage - pinces: tôle d'acier, isolée complet avec 2 inserts cuive et bande à masse - câble "Highflex"

met sperdiode - with blocking diode - mit Sperrdiode - avec diode de blocage



AP.334  
"Highflex" Ø 25 mm<sup>2</sup> - 4.0 mtr. - 600 amp  
1



AP.335  
"Highflex" Ø 35 mm<sup>2</sup> - 4.5 mtr. - 750 amp  
1



AP.336  
"Highflex" Ø 50 mm<sup>2</sup> - 5.0 mtr. - 1000 amp  
1



AP.351  
"Highflex" Ø 50 mm<sup>2</sup> - 7.0 mtr. - 1000 amp  
1


-  Startkabel sets - 2 gemonteerde metalen stekkers 2 p - "Twinnlex" kabel 2x35.0 mm<sup>2</sup>
-  Boostercable sets - 2 mounted metal plugs 2 pins - "Twinnlex" cable 2x35.0 mm<sup>2</sup>
-  Starthilfe Kabel - mit 2 montierte Metalstecker 2 Polig - "Twinnlex" Leitung 2x35.0 mm<sup>2</sup>
-  Jeu de câble de démarrage - 2 fiches métal montées - 2 pôles - "Highflex" câble 2x35.0 mm<sup>2</sup>



AP.350  
"Twinnlex" Ø 50 mm<sup>2</sup> - 6.0 mtr. - 245 amp  
1





-  Elektrospiraalkabels: polyurethaan - 2 aderig / 2 gemonteerde kunststof stekkers 2 p. - kabel 2x35.0 mm<sup>2</sup>
-  Electrical coils polyurethane : 2 core / 2 mounted plasticplugs 2 pins - cable 2x35.0 mm<sup>2</sup>
-  Elektrowendel Polyurethan : 2 adrig mit 2 montierte Kunststoffecker 2 Polig - Kabel 2x35.0 mm<sup>2</sup>
-  Flexibles électriques polyuréthane : à 2 conducteurs / 2 fiches plastic montées - 2 pôles - câble 2x35.0 mm<sup>2</sup>







SD.334  
type 2P / 2x35.0 mm<sup>2</sup>  
 36  
 inside Ø 35  
 outside Ø 65  
 24V ⚡ -40°C / +85°C  
 3.5 mtr  
 1  
 14-09

-  Elektrospiraalkabels: polyurethaan - 2 aderig / 2 gemonteerde metalen stekkers 2 p. - kabel 2x35.0 mm<sup>2</sup>
-  Electrical coils polyurethane : 2 core / 2 mounted metal plugs 2 pins - cable 2x35.0 mm<sup>2</sup>
-  Elektrowendel Polyurethan : 2 adrig mit 2 montierte Metalstecker 2 Polig - Kabel 2x35.0 mm<sup>2</sup>
-  Flexibles électriques polyuréthane : à 2 conducteurs / 2 fiches métal montées - 2 pôles - câble 2x35.0 mm<sup>2</sup>




**SD.333**  
 type 2P / 2x35.0 mm<sup>2</sup>  
 36  
 inside Ø 29  
 outside Ø 55  
 24V  -40°C / +85°C  
 3.5 mtr  





**SD.340**  
 type 2P / 2x35.0 mm<sup>2</sup>  
 45  
 inside Ø 29  
 outside Ø 55  
 24V  -40°C / +85°C  
 6.0 mtr  


-  Startkabel sets - kunststof klemmen, volledig geïsoleerd - "Highflex" kabel
-  Boostercable sets - fully insulated plastic clips - "Highflex" cable
-  Starthilfe Kabel - voll isolierte Kunststoff Ladeklemmen - "Highflex" Leitung
-  Jeu de câble de démarrage - pinces en matière plastique, isolée complet - câble "Highflex"







**AP.160**  
 "Highflex" Ø 16 mm<sup>2</sup> - 3.0 mtr. - 220 amp  




**AP.161**  
 "Highflex" Ø 25 mm<sup>2</sup> - 3.5 mtr. - 350 amp  





**AP.162**  
 "Highflex" Ø 35 mm<sup>2</sup> - 4.5 mtr. - 480 amp  


-  Accu accessoires
-  Battery accessories
-  Batterie Zubehör
-  Accessoires de Batterie

Accupool / klem reiniger - terminal cleaner Pol und Klemmenreiniger - Nettoyeur pour bornes de batterie



**ZECA**  
 Accuvulkan -  
 Battery filler  
 Batterie-Zellenprüfer  
 Remplisseur automatique de batteries  
**AP.400**  
 2 ltr. - Ø 11.5 mm  




**AP.401**  
 dop - cap - ventil - bouchon  




**AP.345**



Accuzuur testers  
 Battery acid testers  
 Batterie Säureprüfer  
 Contrôleur d'acide pour accu

GEFO



AP.182  
 Minitop 6000 Measuring range: 1.10 to 1.32g/ml  
 Graduations: 0.02g/ml - L 200 mm 1



AP.344  
 Hydrovolt  
 Measuring range: 1.10 to 1.30g/ml  
 Graduations: 0.01g/ml



AP.228  
 S 6500 - Measuring range: 1.08 to 1.30g/ml  
 Graduations: 0.005g/ml 1



AP.183  
 Centra 6300 - Measuring range: 1.10 to 1.30g/ml  
 Graduations: 0.01g/ml 1



Antivriestester  
 Anti-freeze testers  
 Frostschutzprüfer  
 Contrôleur d'antigel

GEFO

anti-freeze ethylene - glycol -  
 ethanediol G12 - G12+ - G12++



anti-freeze ethylene - glycol -  
 ethanediol G12 - G12+ - G12++ - G13

AP.181 - Measuring range (20°C): 0 to -50°C  
 Temperature display: 2 to 74°C L: 360 mm - GLAS 1



AP.180  
 Measuring range (20°C): 0 to -40°C  
 WXhxD: 142 X 178 X 38 mm PLASTIC 1



AP.343  
 Measuring range  
 (20°C): 0 to -40°C  
 WXhxD: 107 X 134 X 41 mm  
 PLASTIC 1



anti-freeze ethylene - glycol - ethanediol G12 - G12+ - G12++ - G13

AP.342 - Measuring range (20°C): 0 to -50°C  
 Temperature display: 2 to 74°C L: 360 mm - GLAS 1



screenwash anti-freeze - Isopropanol - methanol

AP.230 - Measuring range (20°C): 0 to -40°C  
 Temperature display: 2 to 74°C L: 240 mm - PLASTIC 1




AP.229  
 Testset 2000  
 Anti-freeze tester for the radiator / -5 to -40°C  
 Anti-freeze tester for windscreen washer / - 0  
 to - 40°C Battery acid tester 1.10 to 1.30g/ml  
1

AP.231  
 Anti-freeze tester for the radiator / 0 to -  
 50°C Battery acid tester 1.10 to 1.30g/ml 1





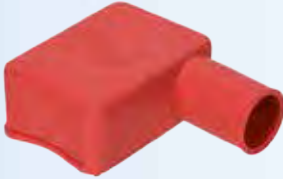
**AP.001**   
 dim. 56 x 41 x 22 mm  
 kabel: Ø 16 - 70 mm<sup>2</sup>


uitgang rechts



**AP.002**   
 dim. 56 x 41 x 22 mm  
 kabel: Ø 16 - 70 mm<sup>2</sup>


uitgang rechts



**AP.003**   
 dim. 59x 68 x 21 mm  
 kabel: Ø 16 - 70 mm<sup>2</sup>

uitgang links



**AP.004**   
 dim. 59x 68 x 21 mm  
 kabel: Ø 16 - 70 mm<sup>2</sup>

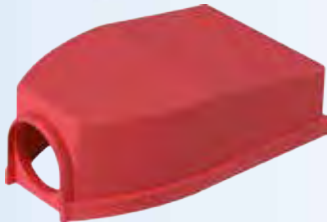
uitgang links




**AP.005**   
 dim. 59x 68 x 21 mm  
 kabel: Ø 16 - 70 mm<sup>2</sup>



**AP.006**   
 dim. 59x 68 x 21 mm  
 kabel: Ø 16 - 70 mm<sup>2</sup>




**AP.007**   
 dim. 71 x 24 x 43 mm  
 kabel: Ø 16 - 70 mm<sup>2</sup>




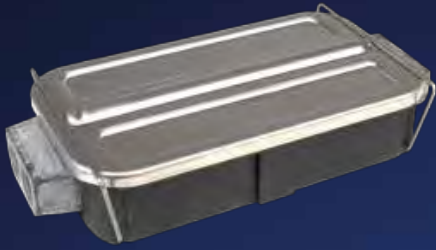
**AP.008**   
 dim. 57 x 25 x 60 mm  
 kabel: Ø 16 - 70 mm<sup>2</sup>



**AP.009**   
 dim. 95 x 40 x 42 mm  
 kabel: Ø 16 - 70 mm<sup>2</sup>



**AP.010**   
 dim. 95 x 40 x 42 mm  
 kabel: Ø 16 - 70 mm<sup>2</sup>



# *mato*

# 15



Kabel verbindingsdozen



Cable connecting boxes







Leitungsverbindungsdozen

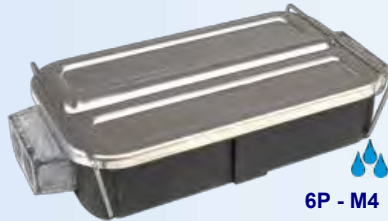


Boîtiers d'accouplement



-  Kabel verbindingsdozen en accessoires
-  Cable connecting boxes - Accessories
-  Leitungsverbindungsdozen - Zubehör
-  Boîtiers d'accouplement - Accessoires

### 6 Polig

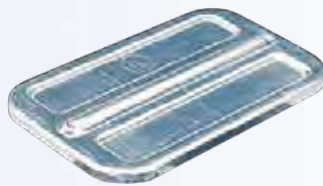


6P - M4

WD.002 1

mat. PVC / Aluminium

AK 19601 - 120 x 69 x 30 mm



WD.006 1

mat. Aluminium

AK 19681



6P - M4

WD.011 1

mat. PVC

AK 360 - 125 x 73 x 32 mm

### 8 Polig

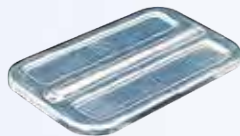


8P - 32 aansluitingen

WD.003 1

mat. PVC Aluminium 8P - 32C

AK 19804 - 150 x 93 x 45 mm



WD.007 1

mat. Aluminium

AK 19681



WD.008 1

8 x 4

AK 19851



WD.010 1

mat. PVC 8P

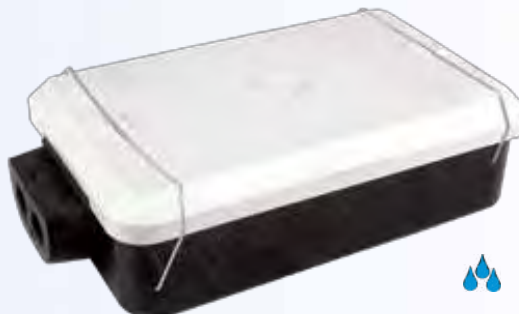
AK 363 - 125 x 73 x 32 mm



WD.012 1

mat. PVC 8P x 2

AK 364 - 125 x 73 x 32 mm

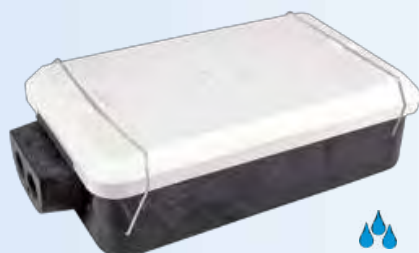


WD.004 1

mat. PVC 8P - 32C

AK 208 - 120 x 87 x 36 mm

### 12 Polig



WD.100 1

mat. PVC 12P x 2C

AK 208100 - 120 x 87 x 36 mm



WD.101 1

mat. PVC 12P x 4C





AK 208101 - 140 x 97 x 50 mm



WD.102 1

mat. PVC 12P x 4C

AK 208102 - 140 x 107 x 50 mm

-  Kabel verbindingsdozen en accessoires
-  Cable connecting boxes - Accessories
-  Leitungsverbindungsdozen - Zubehör
-  Boîtiers d'accouplement - Accessoires



16 Polig

WD.103 1

mat. PVC 16P x 2C  
AK 208103 - 120 x 87 x 36 mm



24 Polig

WD.104 1

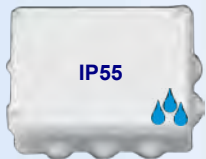
mat. PVC 24P x 2C  
AK 208104 - 140 x 107 x 50 mm



WD.005 1 zonder interieur - IP 54  
mat. PVC Aluminium 12P -28C  
AK 19904 - 151 x 93 x 55 mm



WD.009 1  
28C  
AK 19951



WD.013 1  
100 x 100 x 50 mm



WD.014 1  
50 x 110 x 70



WD.015 1  
180 x 140 x 80 mm



WD.016 1  
240 x 190 x 90 mm

IP55



IP55



IP55



IP55







WD.038 1  
12P / 6X8 WIT

> WD.013 / 014 / 015 / 016



WD.039 1  
8P / 4X8 GRIJS





> WD.013 / 014 / 015 / 016

-  Verbindingsdoos met 4 kabelingen- kunststof huis en deksel - slagvast - zonder interieur
-  Connecting box with 4 cable entries - impact resistant synthetic housing and cover - without interior
-  Verbindungsdose mit 4 x Kabeleingang- Kunststoff Gehäuse und Deckel - Ohne Einsatz
-  Boîtier d'accouplement à 4 x entrée de câble- Boîte et couvercle en matière plastique - sans intérieur



WD.105 1  
146 x 101 x 47 mm



-  Verbindingsdoos met 8 kabelingen- kunststof huis en deksel - slagvast - uitneembaar interieur - 4 x 14 vlakstekeraansluitingen
-  Connecting box with 8 cable entries - impact resistant synthetic housing and cover - 4 x 14 blade terminal connection - removable interior
-  Verbindungsdose mit 8 x Kabeleingang- Kunststoff Gehäuse und Deckel - Einsatz herausnehmbar - 4 x 14 Flachsteckanschlüsse
-  Boîtier d'accouplement à 8 x entrée de câble- Boîte et couvercle en matière plastique - Intérieur détachable - 4 x 14 contacts plans




WD.106 1  
146 x 101 x 47 mm



 Verbindingsdoos ADR / GGVS 28 polig met 8 kabelingangen- kunststof huis - slagvast - metalen deksel - beugelsluiting - met interieur en tulen 4 x PG 11- 4 x PG 13 - IP 69K

 Connecting box ADR / GGVS 28 pins with 8 cable entries- impact resistant synthetic housing - metal cover-strap locking - with interior and rubber seals 4 x PG 11- 4 x PG 13 - IP 69K

 Verbindungsdose ADR / GGVS 28 polig mit 8 x Kabeleingang- Kunststoff Gehäuse - Schlagfest - Metall Deckel - Bügelverschluss - mit Einsatz und Tüllen 4 x PG 11- 4 x PG 13 - IP 69K

 Boîtier d'accouplement, ADR / GGVS à 28 pôles, 8 x entrée de câble- Boîte en matière plastique - résistant aux chocs - couvercle métallique - fermeture à étrier - avec insert et joints d'étanchéité 4 x PG 11- 4 x PG 13 - IP 69K




WD.017 1

AK 19036 GGVS


190 x 80 x 135



 Verbindingsdoos met 8 kabelingangen- kunststof huis - slagvast - metalen deksel - beugelsluiting - zonder interieur/ tulen - IP 54

 Connecting box with 8 cable entries- impact resistant synthetic housing - metal cover - strap locking - without interior / rubber seals - IP 54

 Verbindungsdose mit 8 x Kabeleingang- Kunststoff Gehäuse - Schlagfest - Metall Deckel - Bügelverschluss - ohne Einsatz / Tüllen - IP 54

 Boîtier d'accouplement, 8 x entrée de câble - Boîte en matière plastique - résistant aux chocs - couvercle métallique - fermeture à étrier - sans insert / joint d'étanchéité - IP 54



WD.018 1

AK 19007

190 x 135 x 80 mm



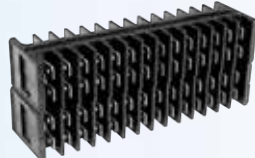
#### Interieur - Interior - Einsatz - Intérieur



WD.040 1

AK 19051

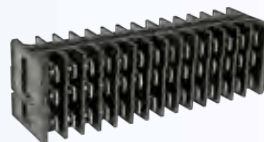
14 p./ 6.3 mm - 4 X 14



WD.041 1

AK 19053

28 p./ 6.3 mm - 8 X 14



WD.042 1

AK 19052

28 p./ 6.3 mm. - 6 X 14

#### Tules - Cableseals - Kabeldurchführungstüllen - Joints d'étanchéités



WD.117 Ø 7 mm 1



WD.118 Ø 9.5 mm 1




WD.119 Ø 13 mm 1




WD.115 Ø 17 mm 1




WD.116 Ø closed 1

 Verbindingsdoos ADR / GGVS 16 polig met 16 kabelingangen kunststof huis en deksel - slagvast - beugelsluiting - met interieur - 112 vlakstekeraansluitingen - wartels: 10 x PG 9 + 5 x PG 13.5 + 1 x PG 16 en tulen 4 x PG 9 + 2 x PG 13.5 + 1 x PG 16 - IP 69K

 Verbindungsdose ADR / GGVS 16 polig mit 16 x Kabeleingang - Kunststoff Gehäuse und Deckel - Schlagfest - Bügelverschluss - mit Einsatz - 112 Flachsteckanschlüsse - Verschraubungen: 10 x PG 9 + 5 x PG 13.5+ 1 x PG 16 und Tüllen 4 x PG 9 + 2 x PG 13.5 + 1 x PG 16 - IP 69K

 Connecting box ADR / GGVS GGVS 16 pins with 16 cable entries- impact resistant synthetic housing and cover - strap locking - with interior 112 blade terminals - capnuts: 10 x PG 9 + 5 x PG 13.5 + 1 x PG 16 and rubber seals 4 x PG 9 + 2 x PG 13.5 + 1 x PG 16 - IP 69K

 Boîtier d'accouplement, ADR / GGVS à 16 pôles, 16 x entrée de câble- Boîte et couvercle en matière plastique - résistant aux chocs - fermeture à étrier - avec insert - 112 contacts plans - Ecrous: 10 x PG 9 + 5 x PG 13.5 + 1 x PG 16 et joints d'étanchéité 4 x PG 9 + 2 x PG 13.5 + 1 x PG 16



WD.024 1

GGVS/ADR

167 x 157 x 99 mm



#### Interieur - Interior - Einsatz - Intérieur




WD.037 1

7 x 8 p / 8 x 4 p - 6.3 x 0.8



 **Verbindingsdoos ADR / GGVS met 16 kabelingen- kunststof huis en deksel - slagvast - met interieur - 11x wartel - Tules: 8x 5.9-6.9mm + 2x 5.9-6.9mm + 1x 11.0-12.0 - DIN 46244 - IP 56 / TP8 - 6.3 vlakstekeraansluitingen**

 **Connecting box ADR / GGVS GGVS with 16 cable entries- impact resistant synthetic housing and cover - with interior- 11x capnut and rubber seals 8x 5.9-6.9mm + 2x 5.9-6.9mm + 1x 11.0-12.0 - DIN 46244 - IP 56 / TP8 - 6.3 blade terminal connections**

 **Verbindingsdose ADR / GGVS mit 16 x Kabeleingang - Kunststoff Gehäuse und Deckel - Schlagfest - mit Einsatz - 11x Verschraubung und Tüllen 8 X 5.9-6.9mm + 2x 5.9-6.9mm + 1x 11.0-12.0 - DIN 46244 - IP 56 / TP8 - 6.3 Flachsteckanschlüsse**

 **Boîtier d'accouplement, ADR / GGVS, 16 x entrée de câble- Boîte et couvercle en matière plastique - résistant aux chocs - avec insert - 11x Ecrou et joints d'étanchéité 8x 5.9-6.9mm + 2x 5.9-6.9mm + 1x 11.0-12.0 - DIN 46244 - IP 56 / TP8 - 6.3 contacts plans**



**WD.019** 1

**P2450 - GGVS/ADR**  
210 x 115 x 93 mm



 **Verbindingsdoos 8 polig met 6 kabelingen- - kunststof huis en deksel - slagvast - met interieur en tulen 6 x PG 16 - IP 66**

 **Connecting box 8 pins with 6 cable entries- impact resistant synthetic housing and cover - with interior and rubber seals 6 x PG 16 - IP 66**

 **Verbindingsdose 8 polig mit 6 x Kabeleingang Kunststoff Gehäuse und Deckel - Schlagfest - mit Einsatz und Tüllen 6 x PG 16 - IP 66**





 **Boîtier d'accouplement, à 8 pôles, 6 x entrée de câble- Boîte et couvercle en matière plastique - résistant aux chocs - avec insert et joints d'étanchéité 6 x PG 16 - IP 66**

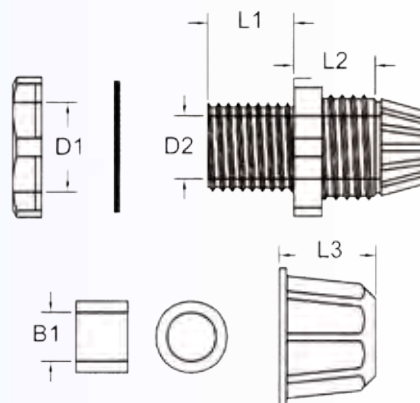


**WD.033** 1

**P2450 - GGVS/ADR**  
210 x 115 x 93 mm



 **Wartels** **IP68**  
 **Capnuts**  
 **Verschraubungen**  
 **Ecrous**



Art.nr	D1	P	D2	B1	L1	L2	L3	cabl	vpe
<b>WD.050</b>	12	1.25	8.3	6.0	7.9	12.1	13.3	3-6.5	1 pcs
<b>WD.051</b>	16	1.5	10.9	9.6	15.7	14.4	16.7	5-10	1 pcs
<b>WD.052</b>	20	1.5	14.8	12.9	15.0	19.5	18.4	10-14	1 pcs
<b>WD.053</b>	25	1.5	18.6	16.4	15.0	18.7	22.3	13-18	1 pcs
<b>WD.054</b>	32	1.5	26	23.4	14.7	20.3	26.2	18-25	1 pcs
<b>WD.055</b>	40	1.5	33	30.6	17.7	23.4	31.9	22-32	1 pcs
<b>WD.056</b>	50	1.5	41.2	38.2	17.3	25.7	31.6	30-38	1 pcs

Materiaal: Nylon P66 - UL 94 V-2

Standaard kleur: zwart  
Op aanvraag leverbaar in:  
rood - wit - grijs - blauw - geel





# *mato*

# 16



Schakelaars - Controlelampen



Switches - Control lights







Schalter - Kontrollleuchten



Interrupteur - Voyant de contrôle



-  Starterdrukknop schakelaars - zeewaterbestendig - met zilvercontacten
-  Ignition switches - sea water resistant - with silver contacts
-  Anlasserschalter - Seewasserbeständig - mit Silber Kontakte
-  Inverseur de démarrage - résistant d'eau de mer- avec contacts en argent



**SR.003**  
 Volt 12 / 24  
 Amp 30 / 8  
 Watt 400 - 12,24V  
 ; 5 Sek W  
 ↔ Ø 22.0 mm  
 vpe 1 IP 54







**SR.004**  
 Volt 12 / 24  
 Amp 30 / 8  
 Watt 400 - 12,24V  
 ; 5 Sek W  
 ↔ Ø 22.0 mm  
 vpe 1 IP 54



**SR.405**  
 Volt 12 / 24  
 Amp 20 / 10  
 Watt 240  
 ↔ Ø 24.5 mm  
 M24 - 2 x 4 mm  
 vpe 1 IP 67



**SR.014**  
 Volt 12 / 24  
 Amp 25 / 12.5  
 Watt 300  
 ↔ Ø 22.0 mm  
 vpe 1

-  Drukknopschakelaar
-  Switches, pressure operation
-  Schalter, Druckbetätigung
-  Interrupteur, mécanisme à poussoir



**SR.001**  
 Volt 12 / 24  
 Amp 20 / 8  
 Watt 240  
 ↔ Ø 22.0 mm  
 vpe 1



**SR.019**  
 Volt 12 / 24  
 Amp 8 / 4  
 Watt 100  
 ↔ Ø 16.2 mm  
 rust / uitgeschakeld  
 vpe 1



**SR.039**  
 Volt 12 / 24  
 Amp 8 / 4  
 Watt 100  
 ↔ Ø 16.2 mm  
 rust / ingeschakeld  
 vpe 1



**SR.400**  
 Volt 12 / 24  
 Amp 1.4 / 0.7  
 Watt 100  
 ↔ Ø 15.0 mm  
 vpe 1



**SR.401**  
 Volt 12 / 24  
 Amp 10 / 10  
 Watt 120  
 ↔ Ø 22.5 mm  
 vpe 1



**SR.402**  
 Volt 12 / 24  
 Amp 16 / 10  
 Watt 190  
 ↔ Ø 22.5 mm  
 vpe 1



**SR.403**  
 Volt 12 / 24  
 Amp 20 / 10  
 Watt 240  
 ↔ Ø 22.5 mm  
 vpe 1



**SR.404**  
 Volt 12 / 24  
 Amp 16 / 10  
 Watt 190  
 ↔ Ø 22.0 mm  
 vpe 1



**SR.406**  
 Volt 12 / 24  
 Amp 20 / 10  
 Watt 240  
 ↔ Ø 22.5 mm  
 vpe 1







**SR.407**  
 Volt 12 / 24  
 Amp 20 / 10  
 Watt 240  
 ↔ Ø 22.5 mm  
 vpe 1



**SR.408**  
 Volt 12 / 24  
 Amp 20 / 10  
 Watt 240  
 ↔ 30.0 mm  
 4 x 6,3 mm  
 vpe 1



16-01

-  Druknopschakelaar
-  Switches, pressure operation
-  Schalter, Druckbetätigung
-  Interrupteur, mécanisme à poussoir



**SR.409**  
 Volt 12 / 24  
 Amp 20 / 10  
 Watt 240  
 ↔ Ø 30.0 mm  
 4 x 6,3 mm  
 vpe 1







**SR.410**  
 Volt 12 / 24  
 Amp 20 / 10  
 Watt 240  
 ↔ Ø 30.0 mm  
 5 x 6,3 mm  
 vpe 1



**SR.411**  
 Volt 12 / 24  
 Amp 20 / 10  
 Watt 240  
 ↔ Ø 30.0 mm  
 4 x 6,3 mm  
 vpe 1

T10 - W2.1x9.5d  
 12V-24V / 2W



-  Trekschakelaar
-  Switch, pulling operation
-  Schalter, Zugbetätigung
-  Interrupteur à tirette



**SR.005**  
 Volt 12 / 24  
 Amp 10 / 2.8  
 Watt 120  
 ↔ 8.5 mm  
 vpe 1



**SR.006**  
 Volt 12 / 24  
 Amp 10 / 2.8  
 Watt 120  
 ↔ 8.5 mm  
 vpe 1



**SR.412**  
 Volt 12 / 24  
 Amp 10 / 5  
 Watt 120  
 ↔ 8.5 mm  
 vpe 1



**SR.033**  
 Volt 12 / 24  
 Amp 10 / 5  
 Watt 120  
 ↔ 8.5 mm  
 vpe 1



**SR.413**  
 Volt 12 / 24  
 Amp 10 / 5  
 Watt 120  
 ↔ 8.5 mm  
 vpe 1



**SR.007**  
 Volt 12 / 24  
 Amp 10 / 5  
 Watt 120  
 ↔ 12.0 mm - Ø 8.5 mm  
 vpe 1



**SR.008**  
 Volt 12 / 24  
 Amp 10 / 5  
 Watt 120  
 ↔ Ø 8.5 mm  
 vpe 1



**SR.416**  
 Volt 12 / 24  
 Amp 10 / 5  
 Watt 120  
 ↔ Ø 8.5 mm  
 vpe 1







**SR.417**  
 Volt 12 / 24  
 Amp 10 / 5  
 Watt 120  
 ↔ Ø 8.5 mm  
 vpe 1



**SR.418**  
 Volt 12 / 24  
 Amp 10 / 5  
 Watt 120  
 ↔ Ø 8.5 mm  
 vpe 1



-  Stoplichtschakelaar
-  Brake light switch
-  Bremslicht Schalter
-  Interrupteur, contact de voyant de frein







SR.012

Volt 12 / 24

Amp 4 / 2 Watt 48

vpe 1

-  ruststand "aan"
-  pauze position "on"
-  Ruhestellung "Ein"
-  position à pause "active"







SR.013

Volt 12 / 24

Amp 4 / 2 Watt 48

vpe 1

-  ruststand "uit"
-  pauze position "off"
-  Ruhestellung "Aus"
-  position de repos "inactive"

-  Wipchakelaar
-  Switch, rocker operation
-  Schalter, Kipbetätigung
-  Interrupteur mécanisme à bascule



SR.010

Volt 12 / 24

Amp 20 / 5

Watt 240

↔ 11.6 mm

vpe 1



SR.414





Volt 12 / 24

Amp 20 / 5

Watt 240

↔ 11.7 mm

vpe 1

-  Richtingaanwijzer schakelaar
-  Control stalk indicator switch
-  Blinkerschalter
-  Comodo de clignotant



SR.017

Volt 12 / 24

Amp 10 / 5

Watt 120

↔ 12.5 mm

vpe 1



SR.024

Volt 12





Amp 4

Watt 48

↔ 26.5 mm

vpe 1

7 x M3

-  Aanjagerschakelaar, verwarming/ventilatie - 4 standen
-  Blowerswitch, heating/ventilation - 4 pos.: 0-1-2-3
-  Gebläseschalter, Heizung/Lüftung - 4 Pos.: 0-1-2-3
-  Régulateur du pulseur d'air habitacle, - 4 pos.: 0-1-2-3



SR.009





Volt 12 / 24

Amp 23 - 12.5

Watt 250

5 x 6,3 mm

vpe 1





-  Drukknopschakelaar
-  Switch, pressure operation
-  Schalter, Druckbetätigung
-  Interrupteur, mécanisme à poussoir

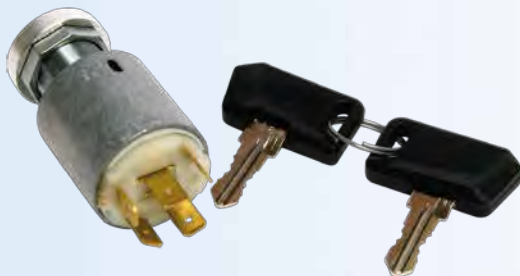


SR.002  
 Volt 12 / 24  
 Amp 5  
 Watt 90  
 3 x 6,3 mm  
 vpe 1



SR.034  
 Volt 12 / 24  
 Amp 5  
 Watt 120  
 2 x M3  
 vpe 1





-  Starter voorgloei schakelaar - 3 standen
-  Pre-heater plug switch (ignition switch) - 3 pos.
-  Glühanlass – Schalter Zünd-/ Startschalter) - 3 Pos.
-  Interrupteur de préchauffage - 3 pos.



SR.027  
 Volt 12  
 Amp 2 - 25  
 Watt 300  
 5x 6,3 mm  
 vpe 1



SR.027SL  
 Set reservesleutels  
 vpe 1

-  Deurcontact schakelaar 2p
-  Door switch 2p
-  Türkontaktschalter 2p
-  Contacteur d'éclairage de porte à 2 pôles



SR.018  
 Volt 12 / 24  
 Amp 12 / 6  
 Watt 140  
 2 x M3  
 ↔ Ø 21.0 mm  
 vpe 1



SR.419  
 Volt 12 / 24  
 Amp 7 / 3.5  
 Watt 84  
 2 x 6.3 mm  
 ↔ Ø 28.1 mm  
 vpe 1



SR.420  
 Volt 12 / 24  
 Amp 2.5 / 1.25  
 Watt 30  
 2 x 6.3 mm  
 ↔ Ø 14.0 mm  
 vpe 1

-  Hoofdstroomschakelaar
-  Battery isolator switch
-  Batterie-Trennschalter
-  Interrupteur de batterie



SR.030  
 Volt 24  
 Amp 100  
 Amp 500 A / 5 sec.  
 2 x M10  
 ↔ Ø 22.5mm  
 vpe 1



SR.031  
 int.: pvc.  
 vpe 1





SR.108  
 Volt 24  
 Amp 250  
 Amp 1000 A / 5 sec.  
 2 x M10  
 ↔ Ø 22.5 mm  
 vpe 1



SR.031/PC  
 int.: met.  
 vpe 1

-  Controlelampen
-  Control lights
-  Kontrolleuchten
-  Voyant de controle



**SR.049**  BA9s  
 Volt 12 / 24  
 Watt max. 4  
 vpe 



**SR.050**  BA9s  
 Volt 12 / 24  
 Watt max. 4  
 vpe 





**SR.051**  BA9s  
 Volt 12 / 24  
 Watt max. 4  
 vpe 





**SR.052**  BA9s  
 Volt 12 / 24  
 Watt max. 4  
 vpe 



**SR.028**  BA9s  
 Volt 12 / 24  
 Watt max. 4  
 vpe 





**SR.023**  BA9s  
 Volt 12 / 24  
 Watt max. 4  
 vpe 





**SR.029**  BA9s  
 Volt 12 / 24  
 Watt max. 4  
 vpe 



**SR.038**  BA9s  
 Volt 12 / 24  
 Watt max. 4  
 vpe 



**SR.037**  BA9s  
 Volt 12 / 24  
 Watt max. 4  
 vpe 





**SR.166**  BA9s  
 Volt 12 / 24  
 Watt max. 4  
 vpe 



**SR.167**  BA9s  
 Volt 12 / 24  
 Watt max. 4  
 vpe 



**SR.168**  BA9s  
 Volt 12 / 24  
 Watt max. 4  
 vpe 

-  Lamphouders / fittingen
-  Lamp holders / sockets
-  Fassungen
-  Douilles / culots

BA7s - 1/2 p

T5 - W2x4,6d



BA15S

BA9s - 2p

T10 - W2,1x9,5d

BA15D



**SR.015**  
 Volt 12 / 24  
 Watt max. 3  
 BA7s  
 vpe 



**SR.178**  
 Volt 12 / 24  
 Watt max. 3  
 BA7s  
 vpe 





**SR.035**  
 Volt 12 / 24  
 Watt max. 4  
 BA9s  
 vpe 




**SR.173**  
 Volt 12 / 24  
 Watt max. 4  
 BA9s - 2p  
 vpe 





**SR.176**  
 Volt 12 / 24  
 Watt max. 5  
 W2x4,6d  
 vpe 




**SR.175**  
 Volt 12 / 24  
 Watt max. 5  
 W2,1x9,5d  
 vpe 



**SR.021**  
 Volt 12 / 24  
 Watt max. 25  
 BA15S  
 vpe 



**SR.022**  
 Volt 12 / 24  
 Watt max. 25  
 BA15D  
 vpe 

	Lamphouders / fittingen	BA7s - 1/2 p	BA15S	H1 - P14.5S	HB4 - P22d
	Lamp holders / sockets	BA9s - 2p	BA15D	H4 - P43T	HB3 / H12 - P20d - PZ20d
	Fassungen	T5 - W2x4,6d		R2 - P45T	HB8 / H11 / H27W/2 - PGJ19-1 - PGJ19-2 - PGJ13
	Douilles / culots	T10 - W2,1x9,5d		H7 - PX26D	



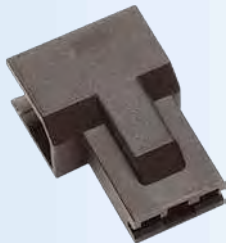
**SR.026**  
 Volt 12 / 24  
 Watt max. 25  
 BA15S  
 vpe 1



**SR.025**  
 Volt 12 / 24  
 Watt max. 25  
 BA15D  
 vpe 1



**SR.179**  
 Volt 12 / 24  
 Watt max. 25  
 BA15S  
 vpe 1



**KV.296**  
 H1 koplampstekker  
 vpe 50



**KV.294**  
 H1 / H7 terminal voor  
 koplampstekker H1/H7  
 0.5 - 1.5 mm<sup>2</sup>  
 vpe 50



**KV.298**  
 H7 koplampstekker  
 vpe 50



**KV.297**  
 H4 koplampstekker  
 vpe 50



**KV.290**  
 H4 terminal voor  
 koplampstekker H4  
 0.5 - 1.5 mm<sup>2</sup>  
 vpe 50



**KV.600**  
 Set H1 Koplampstekker:  
 10 x KV.296  
 10 x KV.294  
 vpe 1



**KV.602**  
 Set H4 Koplampstekker:  
 10 x KV.297  
 30 x KV.290  
 vpe 1



**KV.601**  
 Set H7 Koplampstekker:  
 10 x KV.298  
 20 x KV.294  
 vpe 1



**KV.299**  
 HB4 koplampstekker 2 polig  
 P22d met kabel 2.5 mm<sup>2</sup> (175mm)  
 vpe 1



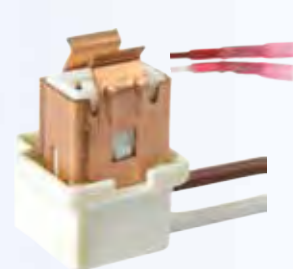
**KV.300**  
 HB3-H12 koplampstekker 2 polig  
 P20d - PZ20d  
 met kabel 2.5 mm<sup>2</sup> (175mm)  
 vpe 1



**KV.301**  
 HB8-H11-H27W/2 koplampstekker 2 polig  
 PGJ19-1 - PGJ19-2 - PGJ13  
 met kabel 2.5 mm<sup>2</sup> (175mm)  
 vpe 1



**KV.312**  
 LAMPSTEKKER SET ACHTER 7  
 polig incl. contacten en  
 afdichtingsseals  
 vpe 1



**KV.313**  
 H1 koplampstekker 1 polig  
 met kabel 1.0 mm<sup>2</sup> (40/60mm)  
 vpe 1



**KV.605**  
 H4 + R2 koplampstekker 3 p.  
 zonder kabel + drukveer  
 vpe 1



**KV.604**  
 H7 koplampstekker 2 polig  
 met kabel 1.0 mm<sup>2</sup> (100/120mm)  
 vpe 1





# mato

# 17



Relais & Clignoteur automaten



Relays & Flasher units



Relais & Blinkgeber



Relais & Boîte clignotante



 Sluitrelais met zekering

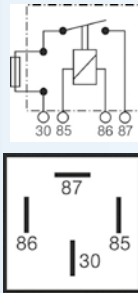
 Relay, main current, contact closed in working position - with fuse

 Schliesser Relais - mit Sicherung

 Relais à courant de travail, contact à fermeture- avec fusible

12V - 24V

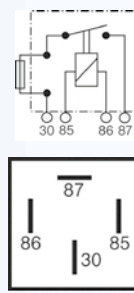
12V



SR.045

Input V 12 Output A 15

vpe 

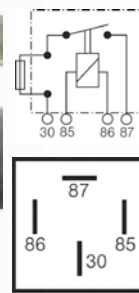


SR.145

Input V 12 Output A 30

vpe 

24V



SR.093

Input V 24 Output A 20

vpe 

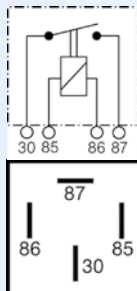
 Sluitrelais

 Relay, main current, contact closed in working position

 Schliesser Relais

 Relais à courant de travail, contact à fermeture 12V - 24V

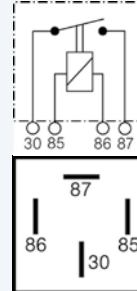
46,3 x 45 x 46,3 mm



SR.040

Input V 12 Output A 30

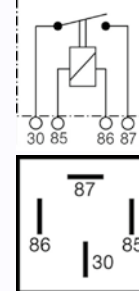
vpe 



SR.053

Input V 12 Output A 40

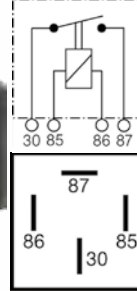
vpe 



SR.138

Input V 12 Output A 70

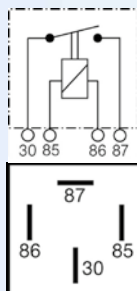
vpe 



SR.150

Input V 12 Output A 200

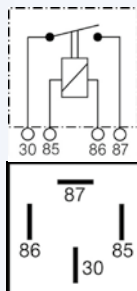
vpe 



SR.041

Input V 24 Output A 20

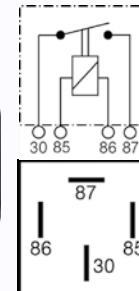
vpe 



SR.095

Input V 24 Output A 22

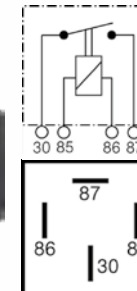
vpe 



SR.141

Input V 24 Output A 40

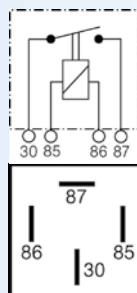
vpe 



SR.170

Input V 24 Output A 80

vpe 



SR.151

Input V 24 Output A 100

vpe  46,3 x 45 x 46,3 mm

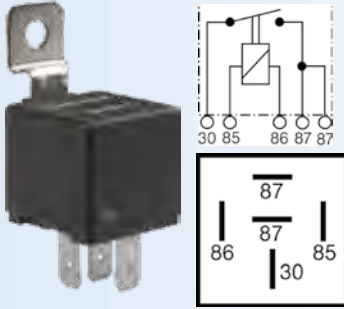
 Sluitrelais - met 2 x uitgang

 Relay, main current, contact closed in working position- with 2 x output

 Schliesser Relais- mit 2 Ausgänge

 Relais à courant de travail, contact à fermeture- avec 2 x sortie

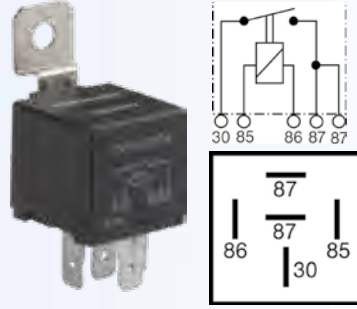
12V - 24V



SR.056

Input V 12 Output A 40


vpe 



SR.075

Input V 24 Output A 20

vpe 

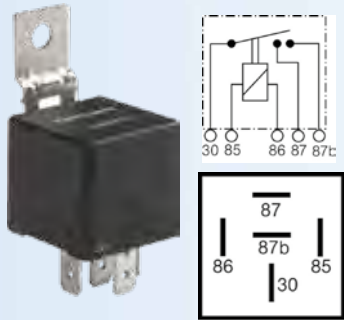
 Sluitrelais - met 2 x uitgang / aansluiting

 Relay, main current, contact closed in working position- with 2 x output/connection

 Schliesser Relais- mit 2 Ausgänge/Anschlusse

 Relais à courant de travail, contact à fermeture- avec 2 x sortie/connection

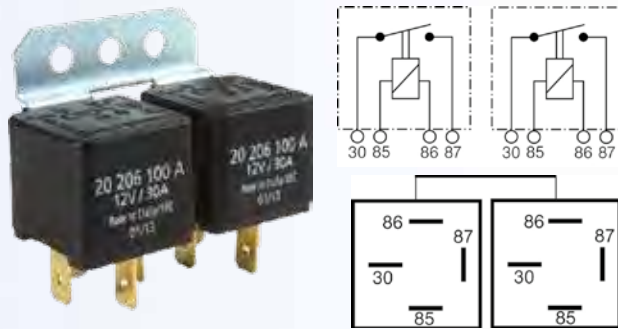
12V - 24V



SR.059

Input V 24 Output A 2 X 20

vpe 



SR.152

Input V 24 Output A 2 X 30

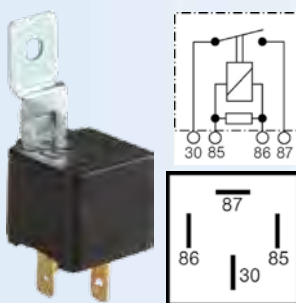
vpe 

 Sluitrelais met resistor

 Relay, main current, contact closed in working position - with resistor 12V - 24V

 Schliesser Relais - mit Resistor

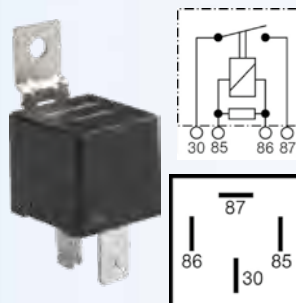
 Relais à courant de travail, contact à fermeture- avec résistance



SR.061

Input V 12 Output A 40

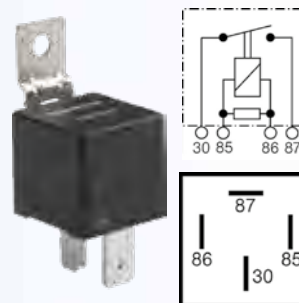
vpe 



SR.081

Input V 24 Output A 20

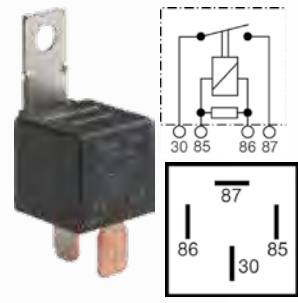
vpe 



SR.131

Input V 24 Output A 40

vpe 




SR.143

Input V 24 Output A 70

vpe 

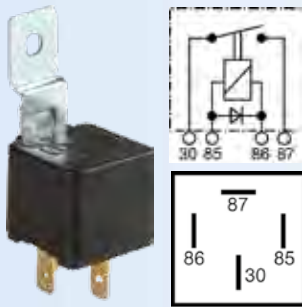
 Sluitrelais met diode

 Relay, main current, contact closed in working position - with diode

 Schliesser Relais - mit Diode

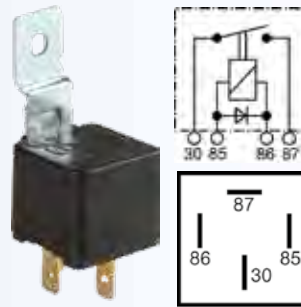
 Relais à courant de travail, contact à fermeture- avec diode

12V - 24V



SR.064

Input V 12 Output A 40  
vpe 



SR.142

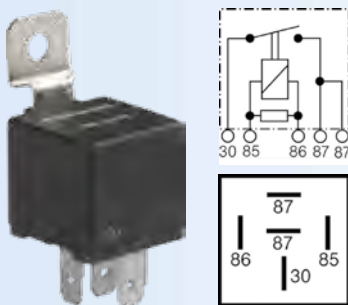
Input V 12 Output A 70  
vpe 

 Sluitrelais - met 2 x uitgang - resistor

 Relay, main current, contact closed in working position- with 2 x output - resistor

 Schliesser Relais- mit 2 Ausgänge - Resistor

 Relais à courant de travail, contact à fermeture- avec 2 x sortie - avec résistance 12V



SR.065

Input V 12 Output A 40  
vpe 

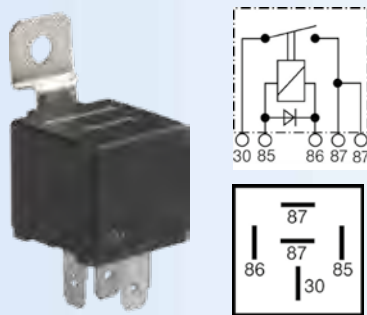
 Sluitrelais - met 2 x uitgang - diode

 Relay, main current, contact closed in working position- with 2 x output - diode

 Schliesser Relais- mit 2 Ausgänge - Diode

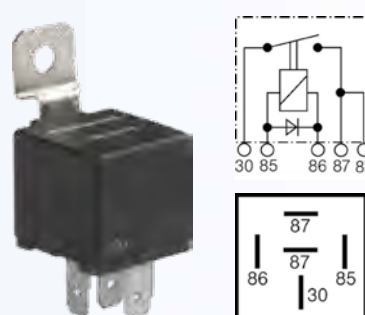
 Relais à courant de travail, contact à fermeture- avec 2 x sortie - avec diode

12V - 24V



SR.067

Input V 12 Output A 40  
vpe 



SR.087

Input V 24 Output A 20  
vpe 

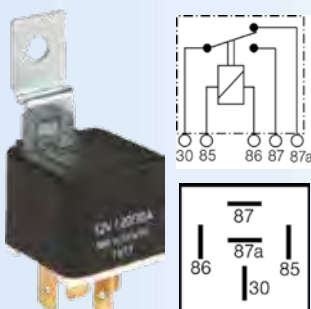
 Wisselrelais

 Changer over relay, main current

 Wechsler Relais

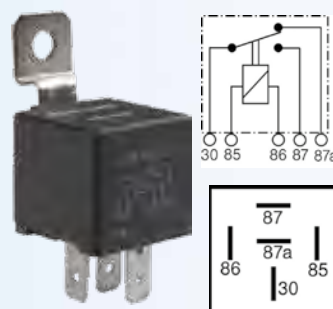
 Relais, inverseur

12V - 24V



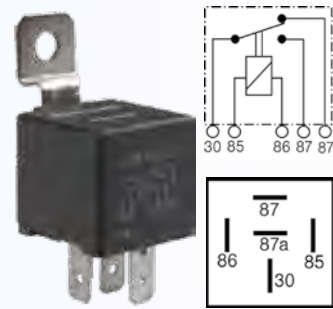
SR.042

Input V 12 Output A 30 - 20  
vpe 







SR.122

Input V 12 Output A 40 - 30  
vpe 

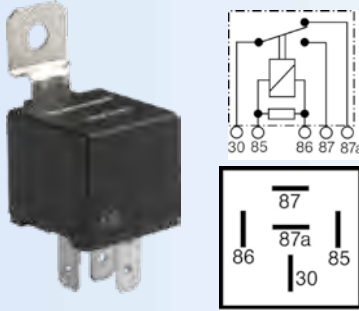


SR.044

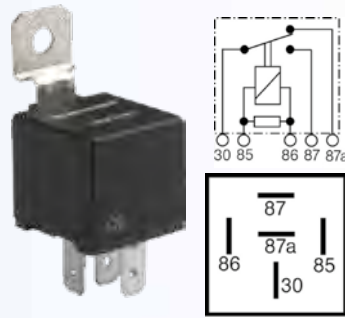
Input V 24 Output A 20 - 10  
vpe 

-  **Wisselrelais met resistor**
-  **Changer over relay, main current - with resistor**
-  **Wechsler Relais - mit Resistor**
-  **Relais, inverseur - avec résistance**





12V - 24V



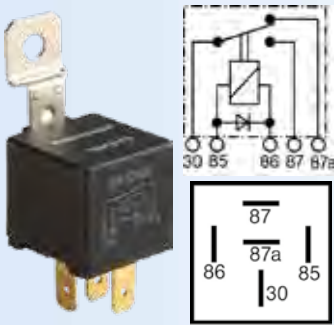
**SR.069**  
Input V 12 Output A 40 - 30  
vpe **1**



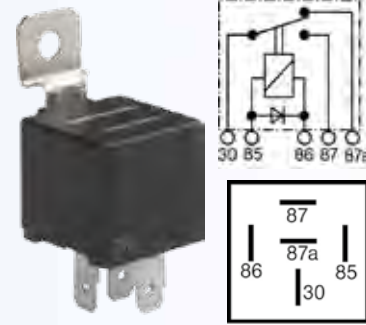
**SR.089**  
Input V 24 Output A 20 - 10  
vpe **1**

-  **Wisselrelais met diode**
-  **Changer over relay, main current - with diode**
-  **Wechsler Relais - mit Diode**
-  **Relais, inverseur - avec diode**

12V - 24V



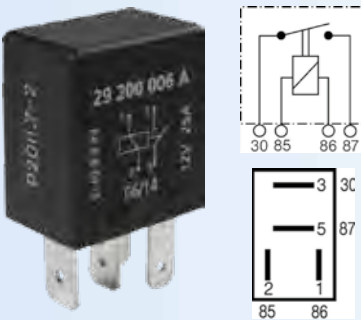
**SR.071**  
Input V 12 Output A 30 - 20  
vpe **1**



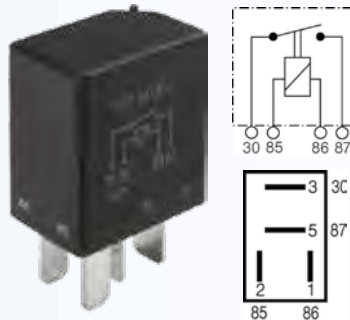
**SR.091**  
Input V 24 Output A 20 - 10  
vpe **1**

-  **Micro Sluitrelais**
-  **Micro Relay, main current, contact closed in working position**
-  **Micro Schliesser Relais**
-  **Micro Relais à courant de travail, contact à fermeture**





12V - 24V



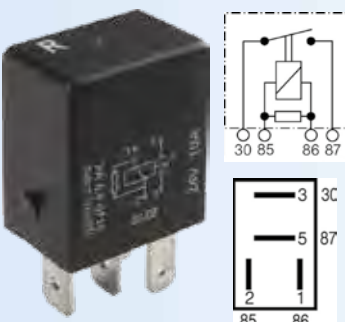
**SR.154**  
Input V 12 Output A 25  
vpe **1**



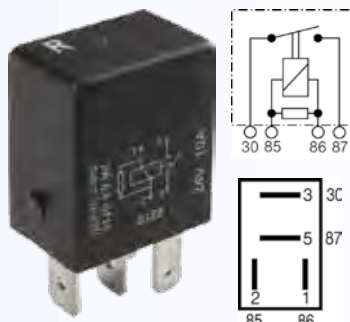
**SR.155**  
Input V 24 Output A 10  
vpe **1**

-  **Micro Sluitrelais - met resistor**
-  **Micro Relay, main current, contact closed in working position - with resistor**
-  **Micro Schliesser Relais - mit Resistor**
-  **Micro Relais à courant de travail, contact à fermeture - avec résistance**

12V - 24V



**SR.156**  
Input V 12 Output A 20  
vpe **1**



**SR.157**  
Input V 24 Output A 10  
vpe **1**

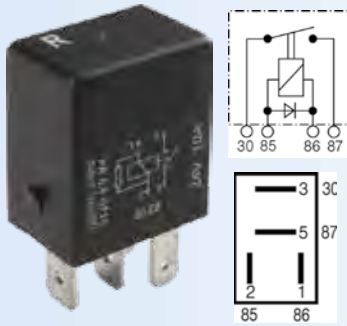
 Micro Sluitlelais - met diode

 Micro Relay, main current, contact closed in working position - with diode

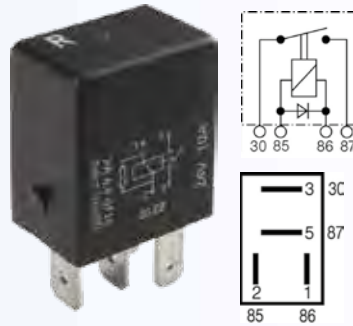
 Micro Schliesser Relais - mit Diode

 Micro Relais à courant de travail, contact à fermeture - diode

12V - 24V



SR.158  
Input V 12 Output A 25  
vpe **1**



SR.159  
Input V 24 Output A 10  
vpe **1**

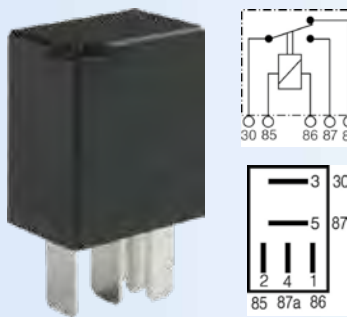
 Micro Wisselrelais

 Micro Changer over relay, main current

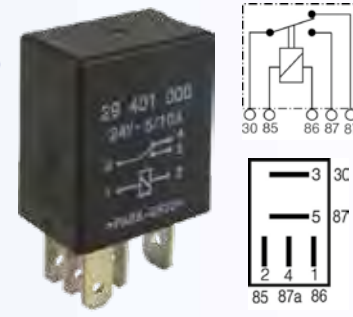
 Micro Wechsler Relais

 Micro Relais, inverseur

12V - 24V



SR.160  
Input V 12 Output A 20 - 10  
vpe **1**



SR.161  
Input V 24 Output A 10 - 5  
vpe **1**

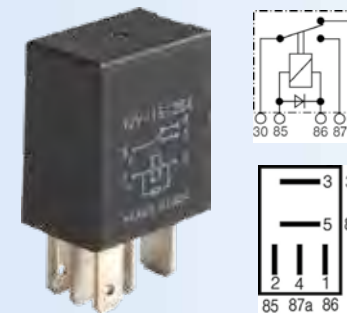
 Micro Wisselrelais - met diode

 Micro Changer over relay, main current - with diode

 Micro Wechsler Relais - mit Diode

 Micro Relais, inverseur - avec diode

12V - 24V



SR.162  
Input V 12 Output A 25 - 15  
vpe **1**



SR.163  
Input V 24 Output A 10 - 5  
vpe **1**

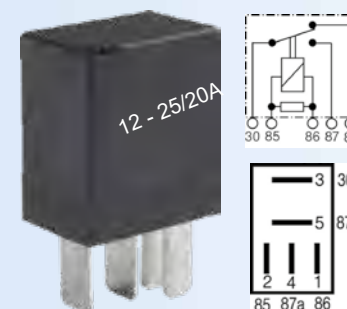
 Micro Wisselrelais - met resistor

 Micro Changer over relay, main current - with resistor

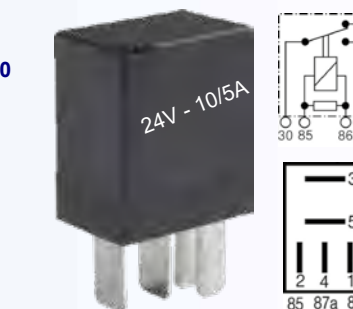
 Micro Wechsler Relais - mit Resistor

 Micro Relais, inverseur - avec résistance





12V - 24V



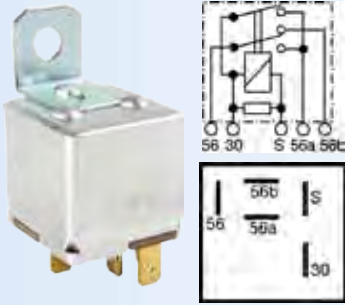
SR.164  
Input V 12 Output A 25 - 20  
vpe **1**



SR.165  
Input V 24 Output A 10 - 5  
vpe **1**





-  Relais - Dimlicht
-  Relay, dimmed headlights
-  Relais - Abblendlicht
-  Relais, phares grisés

12V - 24V



SR.190

Input V 12 Output 2 x 150W  
vpe [1](#)

-  Relaisouder
-  Relayholder
-  Relaishalter
-  Support de relais

Mini relais



SR.180  
5P - vpe [1](#)  
  
6.3 - 0.8 mm

Mini relais



SR.171  
9P - vpe [1](#)  
  
2.8 - 0.8 mm  
6.3 - 0.8 mm

Mini relais



SR.172  
9P - vpe [1](#)  
  
2.8 - 0.8 mm  
6.3 - 0.8 mm  
9.5 - 1.2 mm

SR.118  
5P - vpe [1](#)  
  
4.8 - 0.8 mm  
6.3 - 0.8 mm



Micro relais







koppelbaar







SR.119  
RELAIS BLOK VOOR  
7 MICRO RELAIS  
incl. contacten  
vpe [1](#)



SR.120  
RELAIS BLOK VOOR  
4 MINI RELAIS  
incl. contacten  
vpe [1](#)

-  Sperdiode - voor montage in kabelboom - vlakstekeraansl.
-  Blocking diode - for use inside a cable loom
-  Sperrdiode - zum einsetzen in einem Leitungsstrang
-  Diode de blocage - pour montage dans le faisceau de câbles

-  Diode houder
-  Diode holder
-  Diodehalter
-  Support de diode







12V - 24V



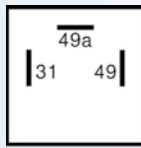
**SR.046**  
Tension 400V max. Amp. max 1A /  
75C°12V - 24V DIN 40050 - IP 54  
vpe1

**SR.181**  
Tension 1000V max. Amp. max  
3A 12V - 24V DIN 40050 - IP 54  
vpe1

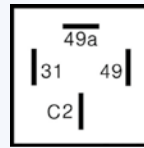
**SR.182**  
Tension 600V max. Amp. max  
13A 12V - 24V DIN 40050 - IP 54  
vpe1

-  Clignoteur automaten - elektronisch
-  Flasher units - electronic
-  Blinkgeber - Elektronisch
-  Boîte clignotante - électronique

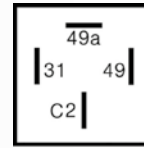
12V - 24V



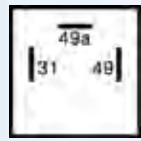
**SR.048**  
V 12 W 2/4 x 21 + 4  
3P vpe1



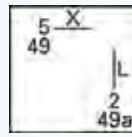
**SR.114**  
V 12 W max 170  
4P vpe1



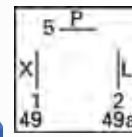
**SR.047**  
V 24 W max 170  
4P vpe1







**SR.043**  
V 24 W 140  
3P vpe1



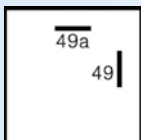
**SR.101**  
V 12 / W 10-180  
2P vpe1



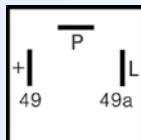
**SR.102**  
V 12 / W 10-180  
3P vpe1

-  Clignoteur automaten - elektronisch
-  Flasher units - electronic
-  Blinkgeber - Elektronisch
-  Boîte clignotante - électronique

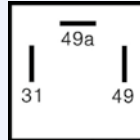
12V - LED



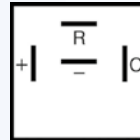
**SR.183**  
V 12 - W 0.1 - 30  
2P vpe1



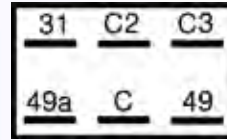
**SR.184**  
V 12 - W 0.1 - 30  
3P vpe1



**SR.185**  
V 12 - W 0.1 - 30  
3P vpe1



**SR.189**  
V 12 - W 0.1 - 30  
4P vpe1



**SR.186**  
V 12 - W 2 + 1 + 1 / 8x21  
6P vpe1



# mato

# 18



Omvormers / Laadstroomverdelers  
Accu scheidingsrelais / Accu laders



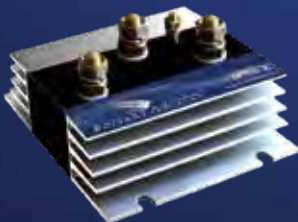
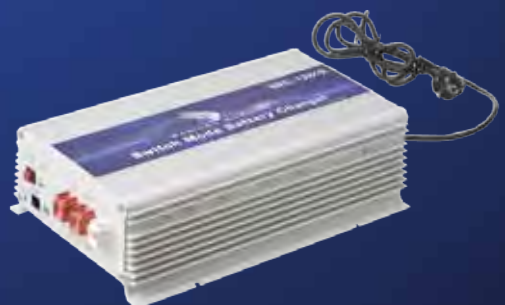
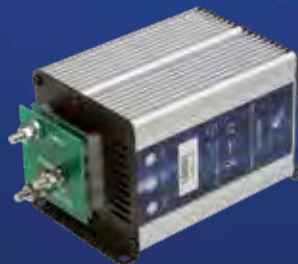
Converters / Inverters / Battery isolators  
Battery separators / Battery chargers



Spannungswandler / Ladestromverteiler  
Batterie Trennrelais / Batterie Lader



Convertisseur / Transformateur  
Distributeur de courant de charge Relais  
de separation Batterie / Chargeurs





Omvormers

Inverters

Spannungswandler

Transformateur

12V DC > 230V AC

CE

Pure Sine Wave - eff. 90%



-0°C / +40°C

PST serie



**SR.641**  
 Input V 10,5-16,5 Vdc  
 Output V 230 Vac +/-3% + USB 2.1 Amp.  
 Output power: C 250W  
 Output power S 500W  
 Freq. 50Hz. - Dim. 235x113x46  
 Low battery alarm / Shut down-  
 vpe



**SR.610**  
 Input V 10,5-16,5 Vdc  
 Output V 230 Vac +/-3%  
 Output power: C 300W  
 Output power S 500W  
 Freq. 50Hz. - Dim. 210x146x65  
 vpe



**SR.611**  
 Input V 10,5-16,5 Vdc  
 Output V 230 Vac +/-3%  
 Output power: C 600W  
 Output power S 1000W  
 Freq. 50Hz. - Dim. 210x146x65  
 vpe



**SR.612**  
 Input V 10,5-16,5 Vdc  
 Output V 230 Vac +/-3%  
 Output power: C 1000W  
 Output power S 2000W  
 Freq. 50Hz. - Dim. 395x236x83  
 vpe



**SR.613**  
 Input V 10,5-16,5 Vdc  
 Output V 230 Vac +/-3%  
 Output power: C 1500W  
 Output power S 3000W  
 Freq. 50Hz. - Dim. 415x285x100  
 vpe



**SR.614**  
 Input V 10,5-16,5 Vdc  
 Output V 230 Vac +/-3%  
 Output power: C 2000W  
 Output power S 4000W  
 Freq. 50Hz. - Dim. 415x285x100  
 vpe



**SR.642**  
 Input V 10,5-16,5 Vdc  
 Output V 230 Vac +/-3%  
 Output power: C 3000W  
 Output power S 6000W  
 Freq. 50Hz. - Dim. 456.5x263x145  
 vpe



**SR.615**  
 Remote control  
 vpe



**SR.630**  
 Remote control  
 vpe

Remote control  
 5 mtr. voor:  
 PST serie  
 Aan / uit schakelaar  
 inbegrepen  
 Werkt ook met originele  
 voertuigschakelaar

### Product voordelen

Uitgangsspanning zuivere sinusgolf - Hoge efficiëntie - Schakelmodusontwerp - 230 VAC-uitgang vanaf 24 VDC-ingang  
 Batterij bijna leeg alarm - Protections; ingang laagspanning, ingang overspanning, te hoge temperatuur, overbelasting,  
 kortsluiting. Externe ingang. Gebruik om de omvormer AAN of UIT te zetten met ontstekingsstart of een andere  
 afstandsbediening AAN / UIT schakelaar Optionele LCD-afstandsbediening, Kan hard worden bedraad  
 2 jaar garantie

"PST-serie" zuivere sinusomvormers zijn geschikt voor de meeste lichte  
 commerciële en consumententoepassingen waar een sinusomvormer vereist is.



Omvormers

Inverters

Spannungswandler

Transformateur

24V DC > 230V AC

CE

Pure Sine Wave - eff. 90%



-0°C / +40°C

PST serie



**SR.643**  
 Input V 21.0-33.0 Vdc  
 Output V 230 Vac +/-3% + USB 2.1 Amp.  
 Output power: C 250W  
 Output power S 500W  
 Freq. 50Hz. - Dim. 235x113x46  
 Low battery alarm / Shut down-  
 vpe [1](#)



**SR.617**  
 Input V 21.0-33.0 Vdc  
 Output V 230 Vac +/-3%  
 Output power: C 300W  
 Output power S 900W  
 Freq. 50Hz. - Dim. 210x146x65  
 vpe [1](#)



**SR.618**  
 Input V 21.0-33.0 Vdc  
 Output V 230 Vac +/-3%  
 Output power: C 600W  
 Output power S 1500W  
 Freq. 50Hz. - Dim. 335x236x83  
 vpe [1](#)



**SR.619**  
 Input V 21.0-33.0 Vdc  
 Output V 230 Vac +/-3%  
 Output power: C 1000W  
 Output power S 2400W  
 Freq. 50Hz. - Dim. 395x236x83  
 vpe [1](#)



**SR.620**  
 Input V 21.0-33.0 Vdc  
 Output V 230 Vac +/-3%  
 Output power: C 1500W  
 Output power S 3000W  
 Freq. 50Hz. - Dim. 415x285x100  
 vpe [1](#)



**SR.621**  
 Input V 21.0-33.0 Vdc  
 Output V 230 Vac +/-3%  
 Output power: C 2000W  
 Output power S 4000W  
 Freq. 50Hz. - Dim. 415x285x100  
 vpe [1](#)



**SR.644**  
 Input V 21.0-33.0 Vdc  
 Output V 230 Vac +/-3%  
 Output power: C 3000W  
 Output power S 6000W  
 Freq. 50Hz. - Dim. 456.5x263x145  
 vpe [1](#)



**SR.615**  
 Remote control  
 vpe [1](#)



**SR.630**  
 Remote control  
 vpe [1](#)

Remote control  
 5 mtr. voor:  
 PST serie  
 Aan / uit schakelaar  
 inbegrepen  
 Werkt ook met originele  
 voertuigschakelaar

### Product voordelen

Uitgangsspanning zuivere sinusgolf - Hoge efficiëntie - Schakelmodusontwerp - 230 VAC-uitgang vanaf 24 VDC-ingang  
 Batterij bijna leeg alarm - Protections; ingang laagspanning, ingang overspanning, te hoge temperatuur, overbelasting,  
 kortsluiting. Externe ingang. Gebruik om de omvormer AAN of UIT te zetten met ontstekingsstart of een andere  
 afstandsbediening AAN / UIT schakelaar Optionele LCD-afstandsbediening, Kan hard worden bedraad  
 2 jaar garantie

"PST-serie" zuivere sinusomvormers zijn geschikt voor de meeste lichte  
 commerciële en consumententoepassingen waar een sinusomvormer vereist is.



Omvormers

12V DC > 230V AC



-0°C / +40°C



Inverters

CE

SWI serie



Spannungswandler

Pure Sine Wave - eff. 90%



Transformateur



SR.645  
Input V 10,5-16,5 Vdc

Output V 230 Vac +/-3%

Output power: C 400W

Freq. 50/60Hz. selectable  
Dim. 269x174x70

vpe

SR.646  
Input V 10,5-16,5 Vdc

Output V 230 Vac +/-3%

Output power: C 700W

Freq. 50/60Hz. selectable  
Dim. 315x174x70

vpe

### Product voordelen

Uitgangsspanning zuivere sinusgolf  
Hoge efficiëntie  
Schakelmodusontwerp  
230 VAC-uitgang vanaf 12 VDC-ingang  
50 / 60Hz selecteerbaar  
Met M6 Hex schroef DC-klemmen  
LED-indicatoren voor stroomvoorziening en  
beveiligingen Beveiligingen: ingangsspanning,  
ingangsspanning, te hoge temperatuur,  
overbelasting, kortsluiting  
Laag stroomverbruik bij stilstand  
Externe invoer  
2 jaar garantie

Op aanvraag leverbaar:  
SWI serie 12V-1100W / 12V-1600W / 12V-2100W



Omvormers

24V DC > 230V AC



-0°C / +40°C



Inverters

CE

SWI serie



Spannungswandler

Pure Sine Wave - eff. 90%



Transformateur



SR.647  
Input V 21.0-33.0 Vdc

Output V 230 Vac +/-3%

Output power: C 400W

Freq. 50/60Hz. selectable  
Dim. 269x174x70

vpe

SR.648  
Input V 21.0-33.0 Vdc

Output V 230 Vac +/-3%

Output power: C 700W

Freq. 50/60Hz. selectable  
Dim. 315x174x70

vpe

### Product voordelen

Uitgangsspanning zuivere sinusgolf  
Hoge efficiëntie  
Schakelmodusontwerp  
230 VAC-uitgang vanaf 24 VDC-ingang  
50 / 60Hz selecteerbaar  
Met M6 Hex schroef DC-klemmen  
LED-indicatoren voor stroomvoorziening en  
beveiligingen Beveiligingen: ingangsspanning,  
ingangsspanning, te hoge temperatuur,  
overbelasting, kortsluiting  
Laag stroomverbruik bij stilstand  
Externe invoer  
2 jaar garantie

Op aanvraag leverbaar:  
SWI serie 24V-1100W / 24V-1600W / 24V-2100W





**Automatische batterijladers**  
**Automatic Battery Chargers**  
**Automatische Ladegeräte**  
**Chargeurs de batterie automatiques**

**210-250 VAC > 14,8-14,4 VDC** **-0°C / +40°C**  
**CE**



**SR.649**  
**Input V 210-250 VAC**  
**Output V 14,8-14,4 VDC**  
**Output 45 Amps**  
**Dim. 305x230x108**  
**vpe**



**SR.650**  
**Input V 210-250 VAC**  
**Output V 14,8-14,4 VDC**  
**Output 60 Amps**  
**Dim. 330x230x108**  
**vpe**



**SR.651**  
**Input V 210-250 VAC**  
**Output V 14,8-14,4 VDC**  
**Output 80 Amps**  
**Dim. 382x230x108**  
**vpe**



**Automatische batterijladers**  
**Automatic Battery Chargers**  
**Automatische Ladegeräte**  
**Chargeurs de batterie automatiques**

**210-250 VAC > 29,6-28,8 VDC** **-0°C / +40°C**  
**CE**



**SR.652**  
**Input V 210-250 VAC**  
**Output V 29,6-28,8 VDC**  
**Output 25 Amps**  
**Dim. 305x230x108**  
**vpe**



**SR.640**  
**Input V 210-250 VAC**  
**Output V 29,6-28,8 VDC**  
**Output 40 Amps**  
**Dim. 330x230x108**  
**vpe**

### Product voordelen

Schakelmodustechnologie voor hoog rendement, lichtgewicht en stille werking. Automatische werking voor ALLE loodzuurbatterijen Flooded, AGM of Gel Cell  
 Kan 2 batterijen tegelijk opladen, geen isolator nodig Volautomatische werking. Eenvoudig montageontwerp. Half Power Mode vermindert de maximale laadstroom tot de helft van de nominale capaciteit, zorgt voor veilig opladen van batterijen met een lagere capaciteit. Beveiligingen: kortsluiting, overbelasting, omgekeerde batterijaansluiting en te hoge temperatuur. Optionele afstandsbediening en optionele temperatuursensor  
 2 jaar garantie

Deze geavanceerde volledig automatische drietraps batterijladers zijn ideaal voor het opladen van alle soorten 12/24 Volt loodzuuraccu's (Flooded / Absorbed Glass Mat (AGM) / Gel Cell) vanaf een 230 V, 50 Hz wisselstroombron. Een DIP-schakelaarinstelling kan worden gebruikt om te converteren naar een tweekrapsalgoritme, om batterijen op te laden die zijn aangesloten op een DC-belasting (DC UPS). Het apparaat kan ook worden gebruikt als gelijkstroomvoeding. Kenmerken omvatten overbelasting, kortsluiting en omgekeerde polariteit en thermische overbelastingsbeveiliging. Met het apparaat kunnen maximaal 2 afzonderlijke batterijbanken worden opgeladen.



**SR.653**  
**Remote control**  
**10 mtr. voor:**  
**SR.640**  
**SR.649**  
**SR.650**  
**SR.651**  
**SR.652**  
**vpe**

-  Omvormers - Switch Mode
-  Converters - Switch Mode
-  Spannungswandler / Konverter
-  Convertisseur

6V DC > 12V DC    12V DC > 24V DC    12-24V DC > 12V DC  
 CE                    CE                    CE  
 Non isolated type    Non isolated type    Non isolated type



**SR.211**  
 Input V 5.0-8.0 Vdc - Output 12 Vdc  
 Output: 100W - Amp. 7A - Eff. 90%

Dim. 98x88x49 - vpe **1**



**SR.212**  
 Input V 9.0-18.0 Vdc - Output 24 Vdc  
 Output: 170W - Amp. 7A - Eff. 90%

Dim. 98x88x49 - vpe **1**



**SR.213**  
 Input V 9.0-18.0 Vdc - Output 24 Vdc  
 Output: 240W - Amp. 7A - Eff. 90%

Dim. 126x88x49 - vpe **1**



**SR.107**  
 Input V 12.0-24.0 Vdc - Output 12 Vdc  
 Output: 7x50W - Amp. 7A - Eff. 90%

Eff. 90% Dim. 126x88x49 - vpe **1**

-  Omvormers - Switch Mode
-  Converters - Switch Mode
-  Spannungswandler / Konverter
-  Convertisseur

24V DC > 12V DC     -0°C / +40°C  
 CE  
 Non isolated type



**SR.200**  
 Input V 20-35 Vdc - Output 13.8 Vdc  
 Output: Amp. 5A - Eff. 90%

Dim. 98x88x49 - vpe **1**



**SR.208**  
 Input V 20-35 Vdc - Output 13.6 Vdc  
 Output: Amp. 8A - Eff. 90%

Dim. 98x88x49 - vpe **1**



**SR.201**  
 Input V 20-35 Vdc - Output 13.6 Vdc  
 Output: Amp. 12A - Eff. 90%

Dim. 98x88x49 - vpe **1**



**SR.202**  
 Input V 20-35 Vdc - Output 13.6 Vdc  
 Output: Amp. 20A - Eff. 90%

Dim. 126x88x49 - vpe **1**



**SR.203**  
 Input V 20-35 Vdc - Output 13.6 Vdc  
 Output: Amp. 30A - Eff. 90%

Dim. 151x88x49 - vpe **1**



**SR.210**  
 Input V 20-35 Vdc - Output 13.6 Vdc  
 Output: Amp. 60A - Eff. 90%

Dim. 151x88x49 - vpe **1**







**SR.206**  
 Input V 20-60 Vdc - Output 12.2 Vdc  
 Output: 75W - Amp. 60A - Eff. 90%

Dim. 98x88x49 - vpe **1**

### Product voordelen

- Geavanceerd schakelmodus stroomconversieontwerp
- Zeer efficiënt
- Eenvoudig te monteren op vrijwel elke locatie
- Cyclus om stroombegrenzingscircuit te doorlopen
- Compact en licht van gewicht
- Omgekeerde polariteitsbescherming
- Overspanningsbeveiliging
- Kortsluitingsbeveiliging
- 2 jaar garantie

-  Batterij bewaker
-  Battery Guard
-  Batteriewächter
-  Garde de batterie

**DC-POWERCONVERSION**  
**Self Detecting 12V or 24V**  
**Voltage stability +/- 2%**



**SR.654**  
**Input Voltage**  
**Automatic detection 12/24 V**  
**Output Voltage 9,5-27,6 VDC**  
**Output 10 Amps**  
**Dim. 60x20x5 - vpe 1**



**SR.655**  
**Input Voltage**  
**Automatic detection 12/24 V**  
**Output Voltage 9,5-27,6 VDC**  
**Output 18 Amps**  
**Dim. 60x20x5 - vpe 1**



**SR.319**  
**Input Voltage**  
**Automatic detection 12/24 V**  
**current Amp 40**  
**Output 12V-9,5/12 Vdc**  
**adjustable undervoltage 24V-19/24**  
**Dim. 80x60x40 - vpe 1**



**SR.320**  
**Input Voltage**  
**Automatic detection 12/24 V**  
**current Amp 80**  
**Output 12V-9,5/12 Vdc**  
**adjustable undervoltage 24V-19/24**  
**Dim. 80x60x40 - vpe 1**



**SR.622**  
**Input Voltage**  
**Automatic detection 12/24 V**  
**current Amp 100**  
**Output 12V-9,5/12 Vdc**  
**adjustable undervoltage 24V-19/24**  
**Dim. 110x120x60 - vpe 1**



**SR.623**  
**Input Voltage**  
**Automatic detection 12/24 V**  
**current Amp 200**  
**Output 12V-9,5/12 Vdc**  
**adjustable undervoltage 24V-19/24**  
**Dim. 110x120x60 - vpe 1**



**SR.656**  
**Input Voltage**  
**Automatic detection 12/24 V**  
**current Amp 250**  
**Output 12V-9,5/12 Vdc**  
**adjustable undervoltage 24V-19/24**  
**Dim. 57x118x82 - vpe 1**



**Lithium batteries**  
**SR.657**  
**Input Voltage**  
**Automatic detection 12/24 V**  
**current Amp 250**  
**Output 8-30,8 Vdc**  
**adjustable undervoltage 24V-19/24**  
**Dim. 57x118x82 - vpe 1**

De universele programmeerbare Battery Guard voorkomt overmatige ontlading van de batterij (die de batterij zou beschadigen) en beschermt elektronische apparaten tegen overspanning. De batterijbeschermer heeft een "Automatic Board System Detection"; de BG detecteert automatisch de batterijspanning (12 of 24V). De batterijbeschermer kan een continue belasting en een tijdelijke belasting dragen. U kunt kiezen tussen 10 aan / uit drempelspannings programma's, voor zowel 12V- als 24V-batterijssystemen, die eenvoudig kunnen worden geprogrammeerd.

### Product voordelen

Kan worden ingesteld om op verschillende spanningen aan te sluiten / los te koppelen. Batterijen gaan langer mee. Voorkomt schade aan aangesloten componenten. Beschermt tegen te hoge spanning veroorzaakt door defecte alternators of laders E-Keur - 2 jaar garantie



Accu scheidingsrelais met microprocessor



Batteryseparators with microprocessor



Batterie Trennrelais mit Mikroprozessor



Relais de separation Batterie avec microprocesseur

POWERCONVERSION 12V - 24V

Self Detecting 12V or 24V

Voltage stability +/- 2%

Micro switch for remote status indication



### SR.313

For use with 2 batteries  
Input Voltage  
Automatic detection 12/24 V  
current Amp 100  
Output 13,2 or 26,4 Vdc  
Dim. 46x46x80 - vpe **1**



### SR.314

For use with 2 batteries  
Input Voltage  
Automatic detection 12/24 V  
current Amp 140  
Output 13,2 or 26,4 Vdc  
Dim. 46x46x80 - vpe **1**



IP65

+ Motor status detectie

### SR.658

For use with 2 batteries  
Input Voltage  
Automatic detection 12/24 V  
current Amp 140  
Output >11.8 or >23.6 Vdc  
Dim. 46x46x80 - vpe **1**



### SR.315

For use with 2 batteries  
Input Voltage  
Automatic detection 12/24 V  
current Amp 160  
Output 13,2 or 26,4 Vdc  
Dim. 58x72x108 - vpe **1**



IP65

+ Motor status detectie

### SR.316

For use with 2 batteries  
Input Voltage  
Automatic detection 12/24 V  
current Amp 160  
Output >11.8 or >23.6 Vdc  
Dim. 58x72x108 - vpe **1**



### SR.317

For use with 2 batteries  
Input Voltage  
Automatic detection 12/24 V  
current Amp 250  
Output 13,2 or 26,4 Vdc  
Dim. 82x57x118 - vpe **1**



### SR.318

For use with 2 batteries  
Input Voltage  
Automatic detection 12/24 V  
current Amp 500  
Output 9 or 36 Vdc  
Dim. 72x70x80 - vpe **1**



Geeft prioriteit  
voor het opladen  
van alleen de start accu





### SR.659

For use with 2 batteries  
Input Voltage  
Automatic detection 12/24 V  
current Amp 500  
Output 13.2 or 26.4 Vdc  
Dim. 72x70x80 - vpe **1**

## Product voordelen

De Accu scheidingsrelais zijn ontworpen voor gebruik in situaties waarin 2 batterijen worden gebruikt; bijvoorbeeld in boten, campers en caravans. De batterijscheider is een door een microprocessor bestuurd zwaar relais dat automatisch batterijen parallel verbindt, wanneer een van hen gedurende ten minste 5 seconden een huidige spanning heeft bereikt (bv 13,2V / 26,4V) (wat aangeeft dat de batterij wordt opgeladen) en verbreekt de verbinding wanneer de spanning gedurende ten minste 5 seconden (bv 12,8V / 25,6V) onder het niveau zakt (wat aangeeft dat een of meer batterijen worden ontladen). De batterijscheider is een uitstekend alternatief voor een batterij isolator. Het belangrijkste kenmerk is dat er vrijwel geen spanningsverlies is, zodat de uitgangspanning van alternators of batterijladers niet hoeft te worden verhoogd. Een ander voordeel is dat de batterij scheider kan worden gemonteerd zonder het bestaande circuit te wijzigen. Dat maakt de batterijscheider niet alleen heel eenvoudig te installeren, maar het is soms ook de enige optie, omdat sommige alternators geen batterij-isolator accepteren tussen henzelf en de batterij. 2 jaar garantie







-  **Accu / Batterij back-upmodule**
-  **Battery Back-up Module**
-  **Batterie-Backup-Modul**
-  **Module de sauvegarde de batterie**

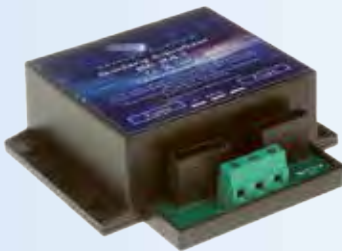


**SR.660**  
 Input Voltage (Automatic 12-24Vdc detection)  
 13,8Vdc (12V system) 27,6Vdc (24V system)  
 Output Voltage +/-5mV @20Amp  
 Output  
 31Amp (12Vdc system) 27Amp (24Vdc system)  
 Dim. 105x88x50 - vpe [1](#)

### Product voordelen

Een solid-state apparaat dat ononderbroken gelijkstroom mogelijk maakt in combinatie met een voeding en een batterij. De overdracht van belasting tussen de voeding en de batterij vindt onmiddellijk plaats. Het houdt ook de batterij opgeladen door float-lading te bieden. Automatische 12-24Vdc detectie  
 Relais schakelaar  
 2 jaar garantie





-  **Accu / Batterij equalizer**
-  **Battery Equaliser**
-  **Batterie Equalizer**
-  **Égaliseur de batterie**



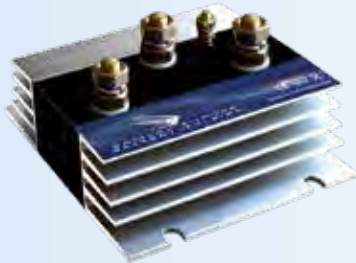
**SR.661**  
 Input Voltage 20 to 35 Vdc  
 Output  
 Max equalizer current +/- 2, 5A  
 Dim. 100x90x35 - vpe [1](#)

### Product voordelen

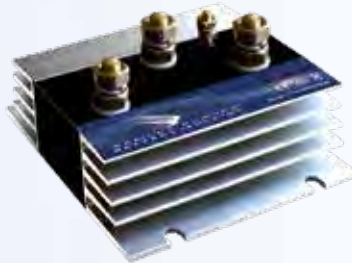
De batterij-equalizer is ontworpen om hetzelfde spanningsniveau van beide batterijen te behouden tijdens het opladen in een 24Vdc-installatie, die bestaat uit twee 12Volt-batterijen. Zorgt voor een tijdige detectie en lost het probleem op, waardoor uw batterijen langer meegaan.  
 Zekeringen inbegrepen  
 Makkelijk te installeren  
 Verlengt de levensduur van uw batterijen  
 2 jaar garantie

-  **Laadstroomverdelers / block diode's met compensatiediode**
-  **Battery isolators / Blocking diodes with compensation diode**
-  **Ladestromverteiler mit Ausgleichsdiode**
-  **Distributeur de courant de charge avec diode de compensation**

**12-24V DC  
 CE**



**SR.301**  
 Maximum charge current 50  
 Maximum alternator current 70  
 Connection. M6/M4 - batteries 2  
 dim. 60x120x80 - vpe [1](#)



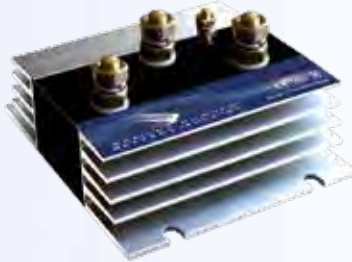
**SR.305**  
 Maximum charge current 70  
 Maximum alternator current 90  
 Connection. M8/M4 - batteries 2  
 dim. 60x120x100 - vpe [1](#)



**SR.307**  
 Maximum charge current 100  
 Maximum alternator current 120  
 Connection. M8/M4 - batteries 2  
 dim. 60x120x100 - vpe [1](#)



**SR.310**  
 Maximum charge current 100  
 Maximum alternator current 120  
 Connection. M8/M4 - batteries 3  
 dim. 60x120x150 - vpe [1](#)



**SR.311**  
 Maximum charge current 130  
 Maximum alternator current 160  
 Connection. M8/M4 - batteries 2  
 dim. 60x120x150 - vpe [1](#)



**SR.312**  
 Maximum charge current 130  
 Maximum alternator current 160  
 Connection. M8/M4 - batteries 3  
 dim. 60x120x200 - vpe [1](#)

**Product voordelen :** De diode-batterij-isolatoren zorgen voor het gelijktijdig opladen van twee of meer batterijen van één alternator, zonder de batterijen met elkaar te verbinden. De batterij-isolator kan bijvoorbeeld worden gebruikt in boten, recreatievoertuigen, vrachtwagens enz., Waar naast een startaccu ook een of twee extra batterijen aanwezig zijn. De batterij-isolatoren hebben een extreem lage spanningsval vanwege het gebruik van Schottky-diodes



# mato

# 19



Gereedschap



Tools











Werkzeuge



Outillage



 Kabelschoen momenttangen - voor geïsoleerde kabelschoenen  
 Ratchet crimping tools - for insulated terminals  
 Automatik Quetsch Zangen - für isolierte Kabelschuhe  
 Pincès automatique à sertir - Cosses pré-isolé

-  0,3 - 0,5 mm<sup>2</sup>
-  2,5 - 6 mm<sup>2</sup>
-  25 22 mm<sup>2</sup>
-  1 0,5 - 1 mm<sup>2</sup>
-  10 8 mm<sup>2</sup>
-  35 38 mm<sup>2</sup>
-  2 1 - 2,5 mm<sup>2</sup>
-  16 14 mm<sup>2</sup>



TO.001

-  1.5 - 6.0 mm<sup>2</sup>
-  230 mm
-  600 gr.
-  1 0,5 - 1 mm<sup>2</sup>
-  2 1 - 2,5 mm<sup>2</sup>
-  5 2,5 - 6 mm<sup>2</sup>
- Ø 0.75 - 6.0 mm<sup>2</sup> vpe 1



TO.015

-  1.5 - 6.0 mm<sup>2</sup>
-  230 mm
-  600 gr.
-  1 0,5 - 1 mm<sup>2</sup>
-  2 1 - 2,5 mm<sup>2</sup>
-  5 2,5 - 6 mm<sup>2</sup>
- Ø 0.75 - 6.0 mm<sup>2</sup> vpe 1



TO.307

-  0.25 - 2.5 mm<sup>2</sup>
-  190 mm
-  300 gr.
-  0 0,3 - 0,5 mm<sup>2</sup>
-  1 0,5 - 1 mm<sup>2</sup>
-  2 1 - 2,5 mm<sup>2</sup>
- Ø 0.25 - 6.0 mm<sup>2</sup> vpe 1



TO.308

-  0.50 - 6.0 mm<sup>2</sup>
-  235 mm
-  600 gr.
-  0 0,3 - 0,5 mm<sup>2</sup>
-  1 0,5 - 1 mm<sup>2</sup>
-  2 1 - 2,5 mm<sup>2</sup>
-  5 2,5 - 6 mm<sup>2</sup>
- Ø 0.50 - 6.0 mm<sup>2</sup> vpe 1



TO.028

-  0.50 - 6.0 mm<sup>2</sup>
-  245 mm
-  447 gr.
-  1 0,5 - 1 mm<sup>2</sup>
-  2 1 - 2,5 mm<sup>2</sup>
-  5 2,5 - 6 mm<sup>2</sup>
- Ø 0.50 - 6.0 mm<sup>2</sup> vpe 1



TO.045

-  0.50 - 6.0 mm<sup>2</sup>
-  240 mm
-  445 gr.
-  1 0,5 - 1 mm<sup>2</sup>
-  2 1 - 2,5 mm<sup>2</sup>
-  5 2,5 - 6 mm<sup>2</sup>
- Ø 0.50 - 6.0 mm<sup>2</sup> vpe 1




TO.049

-  8.0 - 14.0 mm<sup>2</sup>
-  230 mm
-  600 gr.
-  10 8 mm<sup>2</sup>
-  16 14 mm<sup>2</sup>
- Ø 8.0 - 14.0 mm<sup>2</sup> vpe 1








TO.047

-  8.0 - 38.0 mm<sup>2</sup>
-  409 mm
-  2120 gr.
-  10 8 mm<sup>2</sup>
-  16 14 mm<sup>2</sup>
-  25 22 mm<sup>2</sup>
-  35 38 mm<sup>2</sup>
- Ø 8.0 - 38.0 mm<sup>2</sup> vpe 1







TO.046

-  0.25 - 2.5 mm<sup>2</sup>
-  230 mm
-  600 gr.
-  1 0,5 - 1 mm<sup>2</sup>
-  2 1 - 2,5 mm<sup>2</sup>
- Ø 0.25 - 2.5 mm<sup>2</sup> vpe 1

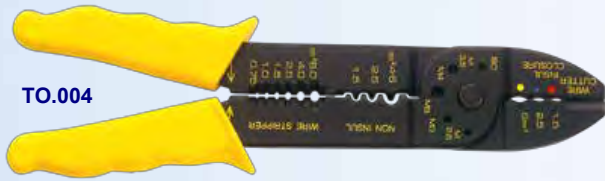


TO.309

-  0.25 - 2.5 mm<sup>2</sup>
-  230 mm
-  600 gr.
-  1 0,5 - 1 mm<sup>2</sup>
-  2 1 - 2,5 mm<sup>2</sup>
- Ø 0.25 - 2.5 mm<sup>2</sup> vpe 1

- Kabelschoen handtangen - voor geïsoleerde kabelschoenen
- Hand crimping tools - for insulated terminals
- Quetsch/Abisolier Zangen - für isolierte Kabelschuhe
- Pincés à sertir/dénuder - Cosses pré-isolée

- 1 0,5 - 1 mm<sup>2</sup>
- 2 1 - 2,5 mm<sup>2</sup>
- 5 2,5 - 6 mm<sup>2</sup>



TO.004

1.5 - 6.0 mm<sup>2</sup> 223 mm 1 0,5 - 1 mm<sup>2</sup>  
 2 1 - 2,5 mm<sup>2</sup>  
 5 2,5 - 6 mm<sup>2</sup>  
 203 gr.  
 Ø 0.75 - 6.0 mm<sup>2</sup> vpe 1  
 max M5



TO.078

1.5 - 6.0 mm<sup>2</sup> 200 mm 1 0,5 - 1 mm<sup>2</sup>  
 2 1 - 2,5 mm<sup>2</sup>  
 5 2,5 - 6 mm<sup>2</sup>  
 220 gr.  
 Ø 0.75 - 6.0 mm<sup>2</sup> vpe 1  
 max M5

- Kabelschoen handtangen - voor geïsoleerde + ongeïsoleerde kabelschoenen
- Hand crimping tools - for insulated + non insulated terminals
- Quetsch/Abisolier Zangen - für isolierte + nicht isolierte Kabelschuhe
- Pincés à sertir/dénuder - Cosses pré-isolée / non-isolée

- 1 0,5 - 1 mm<sup>2</sup>
- 2 1 - 2,5 mm<sup>2</sup>
- 5 2,5 - 6 mm<sup>2</sup>
- 1.0 - 6 mm<sup>2</sup>



169060-8

1.5 - 6.0 mm<sup>2</sup> 225 mm 1 0,5 - 1 mm<sup>2</sup>  
 2 1 - 2,5 mm<sup>2</sup>  
 5 2,5 - 6 mm<sup>2</sup>  
 200 gr.  
 Ø 0.50 - 6.0 mm<sup>2</sup> vpe 1  
 max M5 1.0 - 6 mm<sup>2</sup>



TO.005

1.5 - 6.0 mm<sup>2</sup> 223 mm 1 0,5 - 1 mm<sup>2</sup>  
 2 1 - 2,5 mm<sup>2</sup>  
 5 2,5 - 6 mm<sup>2</sup>  
 203 gr.  
 Ø 0.75 - 6.0 mm<sup>2</sup> vpe 1  
 max M5 1.0 - 6 mm<sup>2</sup>



169060-8 TE

1.5 - 6.0 mm<sup>2</sup> 225 mm 1 0,5 - 1 mm<sup>2</sup>  
 2 1 - 2,5 mm<sup>2</sup>  
 5 2,5 - 6 mm<sup>2</sup>  
 200 gr.  
 Ø 0.50 - 6.0 mm<sup>2</sup> vpe 1  
 max M5 1.0 - 6 mm<sup>2</sup>

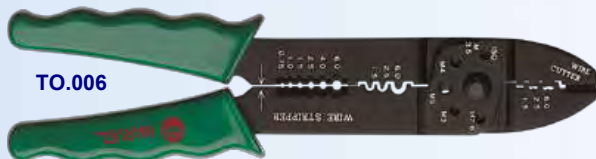


169111-1 TE

1.5 - 6.0 mm<sup>2</sup> 225 mm 1 0,5 - 1 mm<sup>2</sup>  
 2 1 - 2,5 mm<sup>2</sup>  
 5 2,5 - 6 mm<sup>2</sup>  
 200 gr.  
 Ø 0.75 - 6.0 mm<sup>2</sup> vpe 1  
 1.0 - 6 mm<sup>2</sup>



- Kabelschoen handtangen - voor ongeïsoleerde kabelschoenen
- Hand crimping tools - for non insulated terminals
- Quetsch/Abisolier Zangen - für nicht isolierte Kabelschuhe
- Pincés à sertir/dénuder - Cosses non-isolée







TO.006

1.5 - 6.0 mm<sup>2</sup> 220 mm 1 0,5 - 1 mm<sup>2</sup>  
 2 1 - 2,5 mm<sup>2</sup>  
 5 2,5 - 6 mm<sup>2</sup>  
 220 gr.  
 Ø 0.75 - 6.0 mm<sup>2</sup> vpe 1  
 max M5 1.0 - 6 mm<sup>2</sup>



169111-1

1.5 - 6.0 mm<sup>2</sup> 225 mm 1 0,5 - 1 mm<sup>2</sup>  
 2 1 - 2,5 mm<sup>2</sup>  
 5 2,5 - 6 mm<sup>2</sup>  
 200 gr.  
 Ø 0.75 - 6.0 mm<sup>2</sup> vpe 1  
 max M5 1.0 - 6 mm<sup>2</sup>

-  Kabelschoen momenttangen - voor ongeïsoleerde kabelschoenen
-  Ratchet crimping tools - for non insulated terminals
-  Automatik Quetsch Zangen - für nicht isolierte Kabelschuhe
-  Pincés automatique à sertir - Cosses non-isolée

## DEUTSCH CONNECTOREN

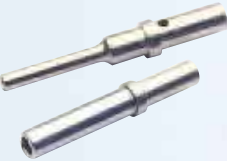
Serie: AEC, DRB, DRC, DT, DTHD, DTM, DTP, DTV, HD10, HD30, HDP20

TO.317



 0.14 - 4.0 mm<sup>2</sup>  190 mm  
 350 gr.

Ø 0.14 - 4.0 mm<sup>2</sup> vpe 1







TO.316



 0.50 - 2.0 mm<sup>2</sup>  230 mm  
 659 gr.

Ø 0.50 - 2.0 mm<sup>2</sup> vpe 1



-  Kabelschoen momenttangen - voor ongeïsoleerde kabelschoenen
-  Ratchet crimping tools - for non insulated terminals
-  Automatik Quetsch Zangen - für nicht isolierte Kabelschuhe
-  Pincés automatique à sertir - Cosses non-isolée

TO.002




 0.5 - 6.0 mm<sup>2</sup>  230 mm  0.5 - 6 mm<sup>2</sup>  
 600 gr.

Ø 0.50 - 6.0 mm<sup>2</sup> vpe 1



TO.008



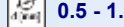


 0.25 - 6.0 mm<sup>2</sup>  230 mm  0.5 - 6 mm<sup>2</sup>  
 600 gr.

Ø 0.25 - 6.0 mm<sup>2</sup> vpe 1



TO.060



 0.5 - 1.0 mm<sup>2</sup>  230 mm  
 600 gr.

Ø 0.50 - 6.0 mm<sup>2</sup> vpe 1



TO.054



 1.5 - 2.5 mm<sup>2</sup>  230 mm  
 600 gr.

Ø 0.50 - 6.0 mm<sup>2</sup> vpe 1

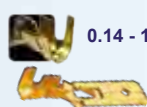


TO.040






 0.14 - 1.5 mm<sup>2</sup>  190 mm  0.14 - 1.5 mm<sup>2</sup>  
 340 gr.

Ø 0.10 - 1.0 mm<sup>2</sup> vpe 1



TO.041



 2.5 - 16.0 mm<sup>2</sup>  270 mm  
 600 gr.

Ø 2.5 - 16.0 mm<sup>2</sup> vpe 1

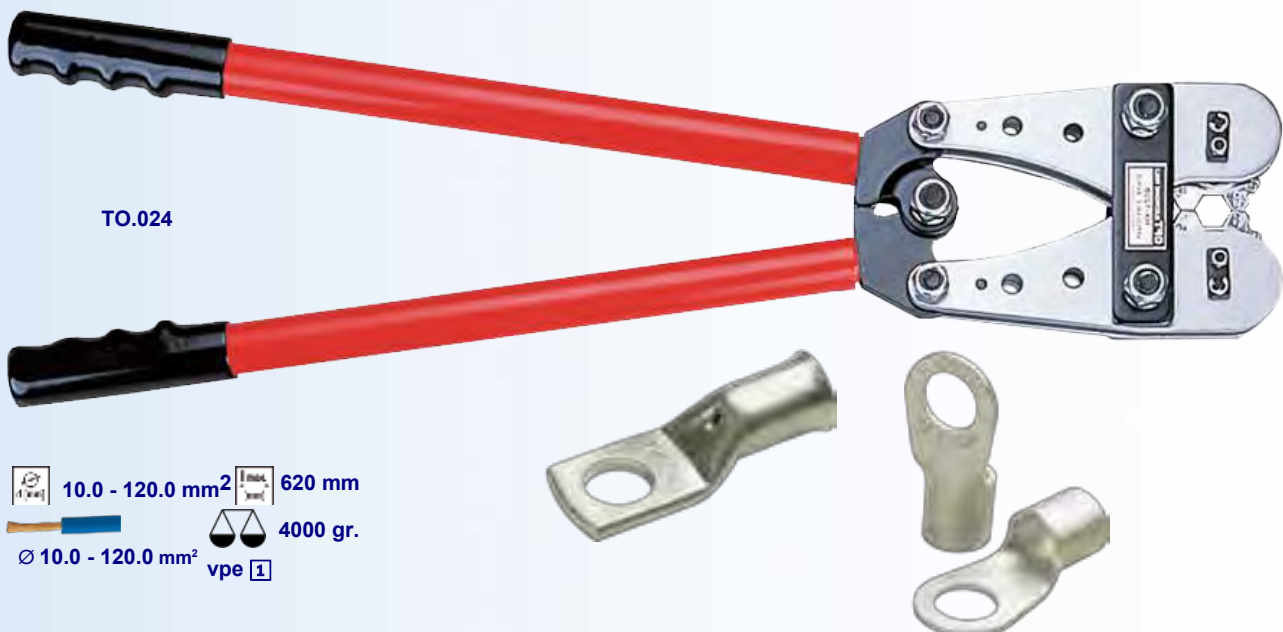
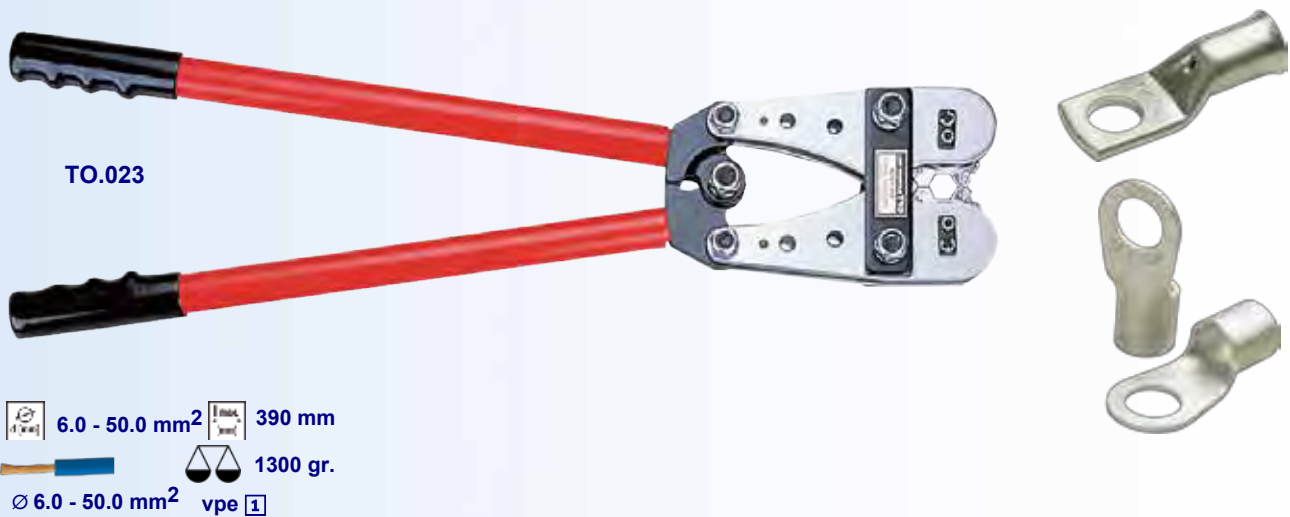
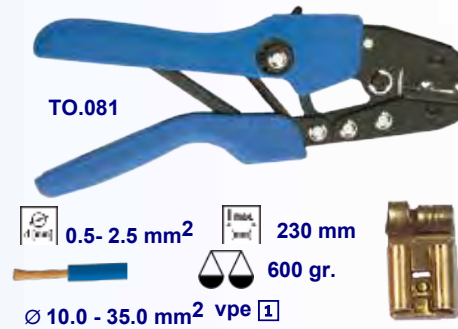






 Kabelschoen momenttangen - voor ongeïsoleerde kabelschoenen

 Ratchet crimping tools - for non insulated terminals

 Automatik Quetsch Zangen - für nicht isolierte Kabelschuhe

 Pincés automatique à sertir - Cosses non-isolée






-  Kabelschoen momenttangen - voor ongeïsoleerde kabelschoenen
-  Ratchet crimping tools - for non insulated terminals
-  Automatik Quetsch Zangen - für nicht isolierte Kabelschuhe
-  Pincés automatique à sertir - Cosses non-isolée



 **RENNSTEIG**

695 000 2 Tang zonder matrijzen

-  tot 16.0 mm<sup>2</sup>
-  340 mm
-  1190 gr.





695 647 3 01 Krimpmatrjjs voor 6.0 mm<sup>2</sup> met seal 

695 000 2

695 030 3 01 Krimpmatrjjs voor 10.0 mm<sup>2</sup> zonder seal  100 gr.

695 030 3 01 Krimpmatrjjs voor 10.0 mm<sup>2</sup> met seal







-  Momenttangen voor krimpkabelverbinders
-  Ratchet crimping tools - for heat shrink terminals
-  Automatik Quetsch Zangen - für Schumpf-Crimpverbinder
-  Pincés automatique à sertir - connecteur thermoréactable à paroi mince



TO.018







TO.314

-  0.25 - 6.0 mm<sup>2</sup>  230 mm
-  1300 gr.
- Ø 0.25 - 6.0 mm<sup>2</sup> vpe 







-  6.0 - 10.0 mm<sup>2</sup>  230 mm
-  600 gr.
- Ø 6.0 - 10.0 mm<sup>2</sup> vpe 



-  Handtangen voor geïsoleerde / ongeïsoleerde adereindhulzen
-  Hand crimping tools - for insulated / non insulated cord end sleeves
-  Quetsch Zangen - für isolierte / nicht isolierte Aderendhülsen
-  Pincès à sertir - Douilles de câble pré-isolé/non-isolée




TO.009

 0.25 - 2.5 mm<sup>2</sup>  160 mm  
 205 gr.  
 Ø 0.25 - 2.5 mm<sup>2</sup> vpe  1







TO.016





 0.75 - 16.0 mm<sup>2</sup>  230 mm  
 248 gr.  
 Ø 0.75 - 16.0 mm<sup>2</sup> gr. vpe  1



TO.310





 10.0 - 35.0 mm<sup>2</sup>  230 mm  
 240 gr.  
 Ø 10.0 - 35.0 mm<sup>2</sup> vpe  1



-  Momenttangen voor geïsoleerde / ongeïsoleerde adereindhulzen
-  Ratchet crimping tools - for insulated / non insulated cord end sleeves
-  Automatik Quetsch Zangen - für isolierte / nicht isolierte Aderendhülsen
-  Pincès automatique à sertir - Douilles de câble pré-isolé/non-isolée







TO.082

 0.5 - 6.0 mm<sup>2</sup>  190 mm  
 350 gr.  
 Ø 0.5 - 6.0 mm<sup>2</sup> vpe  1






TO.010

 0.5 - 6.0 mm<sup>2</sup>  203 mm  
 400 gr.  
 Ø 0.5 - 6.0 mm<sup>2</sup> vpe  1







TO.059

 0.08 - 6.0 mm<sup>2</sup>  800 gr.  
 Ø 0.5 - 6.0 mm<sup>2</sup> vpe  1







TO.083

 0.5 - 6.0 mm<sup>2</sup>  203 mm  
 400 gr.  
 Ø 0.5 - 6.0 mm<sup>2</sup> vpe  1







TO.311





 Ø 6.0 - 16.0 mm<sup>2</sup>  203 mm  
 400 gr.  
 Ø 6.0 - 16.0 mm<sup>2</sup> vpe  1

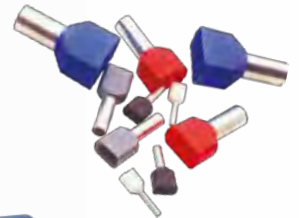


TO.017





 10.0 - 35.0 mm<sup>2</sup>  203 mm  
 400 gr.  
 Ø 10.0 - 35.0 mm<sup>2</sup> vpe  1



-  Momenttangen voor geïsoleerde twin adereindhulzen
-  Ratchet crimping tools - for insulated parallel cord end sleeves
-  Automatik Quetsch Zangen - für isolierte parallel Aderendhülsen
-  Pincés automatique à sertir - Douilles de câble pré-isolé parallèle











TO.312

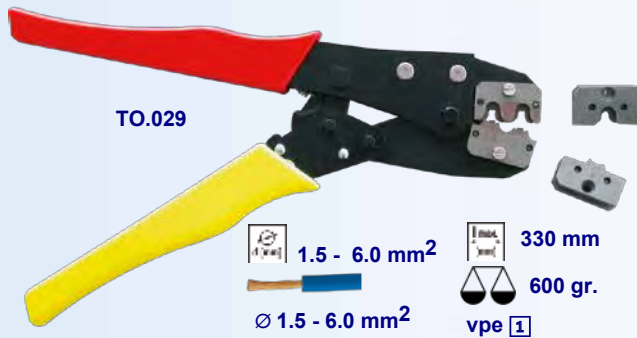
 2 x 0.5 - 2 x 6.0 mm<sup>2</sup>  230 mm  
 600 gr.  
 Ø 0.5 - 6.0 mm<sup>2</sup> vpe 







TO.313





 2 x 6.0 - 2 x 16.0 mm<sup>2</sup>  230 mm  
 600 gr.  
 Ø 6.0 - 16.0 mm<sup>2</sup> vpe 

-  Professionele momenttang voor ABS / EBS kabelverbinders
-  Professional ratchet tool for ABS / EBS terminals
-  Professionelle automatik Quetschzange für ABS / EBS Crimpverbinder
-  Pince automatique professionnelle de connecteurs ABS / EBS



TO.029

 1.5 - 6.0 mm<sup>2</sup>  330 mm  
 600 gr.  
 Ø 1.5 - 6.0 mm<sup>2</sup> vpe 

-  Momenttangen voor modulaire, coaxiale, D-SUB-terminals
-  Ratchet crimping tools - For modular, coaxial, D-SUB terminals
-  Automatik Quetsch Zangen - Für modulare, coaxiale D-SUB-Klemmen
-  Pincés automatique à sertir - Pour terminaux modulaires, coaxiaux, D-SUB




TO.026





 190 mm  255 gr. vpe   
 type 6P2C / 6P4C / 6P6C / 8P-RJ45



TO.315




 190 mm  255 gr. vpe   
 type 8P8C



-  Striptangen
-  Cable/wire strippers
-  Abisolierzangen
-  Pincés à dénuder





TO.038

 0.5 - 6.0 mm<sup>2</sup>  170 mm  
 209 gr.  
 Ø 0.5 - 6.0 mm<sup>2</sup> vpe 1






TO.003

 0.13 - 6.0 mm<sup>2</sup>  205 mm  
 267 gr.  
 Ø 0.13 - 6.0 mm<sup>2</sup> vpe 1






TO.003B

 0.13 - 6.0 mm<sup>2</sup>  211 mm  
 316 gr.  
 Ø 0.13 - 6.0 mm<sup>2</sup> vpe 1



734185-1

 0.5 - 4.0 mm<sup>2</sup>  185 mm  
 134 gr.  
 Ø 1.5 - 6.0 mm<sup>2</sup> vpe 1










947489-1 COAX

 98 mm  
 RG-58/59/62/6/60S  34 gr. vpe 1






TO.304 COAX

 3.5 - 9.0 mm<sup>2</sup>  110 mm  
 48 gr.  
 Ø 3.5 - 9.0 mm<sup>2</sup> vpe 1

-  Kabelkniptangen
-  Cable/wire cutters
-  Kabelschneider
-  Coupe-fil






TO.019

type ME22 vpe 1  
 max. Ø 11.0 mm<sup>2</sup>  
 160 mm  160 gr.






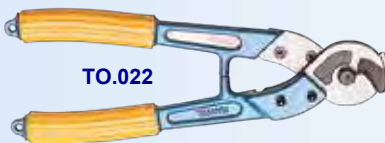
TO.020

type ME38 vpe 1  
 max. Ø 14.0 mm<sup>2</sup>  
 210 mm  260 gr.






TO.021

type ME38 vpe 1  
 max. Ø 18.0 mm<sup>2</sup>  
 235 mm  430 gr.






TO.022

type ME80 vpe 1  
 max. Ø 80.0 mm<sup>2</sup>  
 320 mm  730 gr.






TO.300

type ME150 vpe 1  
 max. Ø 150.0 mm<sup>2</sup>  
 320 mm  1100 gr.






TO.301

type ME250 vpe 1  
 max. Ø 250.0 mm<sup>2</sup>  
 320 mm  1540 gr.






TO.302





type ME500 vpe 1  
 max. Ø 500.0 mm<sup>2</sup>  
 320 mm  2930 gr.



169415-1

type MRC32 vpe 1  
 max. Ø 32.0 mm<sup>2</sup>  
 230 mm  529 gr.







-  **Momenttangset voor geïsoleerde / ongeïsoleerde kabelverbinders en adereindhulzen**
-  **Ratchet crimping toolset - for insulated / non insulated terminals and cord end sleeves**
-  **Automatik Quetsch Zangensatz - für isolierte / nicht isolierte Kabelverbinder und Aderendhülsen**
-  **Set Pincés automatique à sertir - Cosses et Douilles de câble pré-isolé/non-isolé**



TO.039

vpe **1**



-  **Tangen voor kunststof/nylon kabelbundelbanden**
-  **Tools for pvc/nylon cable ties**
-  **Kabelbinderzangen für Nylon/Kunststoff Kabelbänder**
-  **Pincés d'application à colliers serre-câbles Nylon**



TO.011

 2.2 - 4.8 mm  
 165 mm  210 gr.  
 vpe **1**



TO.012

 2.2 - 4.8 mm  
 155 mm  306 gr.  
 vpe **1**



TO.013




 2.2 - 13.0 mm  
 220 mm  319 gr.  
 vpe **1**

TO.080







**Original Ty-Rap**

ERG120

 165 mm  
 4.8 - 7.8 mm  
 210 gr.  
 vpe **1**



-  **Tangen voor stalen kabelbundelbanden**
-  **Tools for stainless steel cable ties**
-  **Kabelbinderzangen für Rostfrei Stahl Kabelbänder**
-  **Pincés d'application à colliers serre-câbles acier inoxydable**






TO.014

 4.6 - 12.0 mm  
 180 mm  558 gr.  
 vpe **1**







TO.025

 4.6 - 12.0 mm  
 205 mm  560 gr.  
 vpe **1**

19-09



-  Tangen voor slangklemmen
-  Tools for Hose clamps
-  Schlauchschellenzangen
-  Pincés d'application à colliers de serrage



TO.055

**type** CLIC E  
 285 mm  225 gr.  
 vpe 



TO.056

**type**   
 346 mm  450 gr.  
 vpe 







TO.057

**type** CTC  
 285 mm  225 gr.  
 vpe 



TO.058

**type** CTC  
 353 mm  
 495 gr. vpe 

-  Uitdrukgeredschap - universeel
-  Extraction tools - universal
-  Entrieglungswerkzeuge - Universal
-  Outillage d'extraction - universelle



TO.061

**type** AMP/TYCO JuniorTimer -JuniorPowerTimer  
 StandardPowerTimer - StandardTimer 2.8+5.8/6.3



TO.063





**type** AMP/TYCO MicroTimer1 - MicroTimer2



TO.064

**type** AMP/TYCO CI2 - MATE-N-LOCK - G+H RSA2 / RAM





 Uitdrukgereedschap voor rondstekers - stiften  
 Extraction tools - round terminals  
 Entriegelungswerkzeuge für Rundstecker - Stifte  
 Outillage d'extraction pour fiches / prises ronde

P1



TO.87025

**type** AMP Tyco 1,5 - Kostal: BMW, Mercedes Navigation, Fendt, Mack, Renault, Scania, Volvo, John Deere

 1.2 mm 

**vpe** 1

P1



TO.77002

**type** Kostal: LKS

 1.5 mm 

**vpe** 1

P5



TO.77004

**type** Kostal: LBK

 1.5 mm 

**vpe** 1

P1



TO.77005

**type** AMP Tyco 1,5

 1.5 mm 

**vpe** 1

P1



TO.87035

**type** AMP Tyco 2.3

 2.3 mm 

**vpe** 1

P1



TO.77001

**type** Kostal: LKS

 1.5 mm 

**vpe** 1

P1



TO.77003

**type** Kostal: LKS

 1.5 mm 

**vpe** 1

P1



TO.87048

**type** AMP Tyco 1,5

 1.5 mm 

**vpe** 1

P2



TO.77006

**type** GHW MKS  
GHW MKR

 1.5 mm  

**vpe** 1

P1







TO.87050 (1-1579007-6)

**type** AMP Tyco 2.5

 2.3 mm 

**vpe** 1

-  Uitdrukgereedschap voor rondstekers - stiften
-  Extraction tools - round terminals
-  Entrieglungswerkzeuge für Rundstecker - Stifte
-  Outillage d'extraction pour fiches / prises ronde

**P2**  
  
**TO.77007**  
 type GHW VKR Plus  
 2.5 mm  
 1



**P1**  
  
**TO.87045**  
 type AMP Tyco Mate-N-Lok - GHW RAM  
 3.5 mm  
 1



**P4**  
  
**TO.90014**  
 type KOSTAL RK  
 2.5 mm  
 1



**P1**  
  
**TO.77008**  
 type KOSTAL RK  
 4.0 mm  
 1



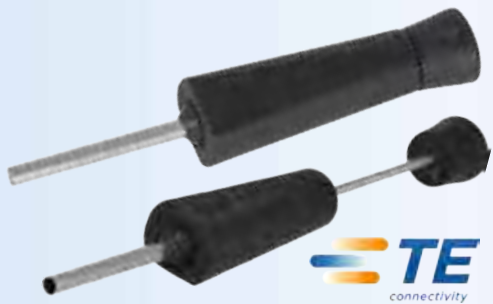
**P1**  
  
**TO.87065**  
 type ABS  
 4.0 mm  
 1






**P1**  
  
**TO.77009**  
 type ABS  
 5.5 mm  
 1







**P4**  
  
**TO.90012**  
 type KOSTAL RK  
 4.0 mm  
 1

**305183**  
 type Type II, Type III, Type III+,  
 Type VI, Type X  
 4.0 mm  
 1



-  Uitdrukgereedschap voor vlakstekers
-  Extraction tools - flat terminals
-  Entrieglungswerkzeuge für Flachstecker
-  Outillage d'extraction par fiches plates

**P5**



**TO.21088**

**type** AMP Tyco

 **Superseal 1.5 mm**

**vpe** **1**



**P2**



**TO.88040 (1-1579007-6)**

**type** AMP Tyco JPT - SPT - TAB / Delphi  
HVF2 GHW DFK / GHW MDK 3

 **2.8/4.8/5.8/6.3 mm**

**vpe** **1**



**P2**



**TO.93005 (539960-1)**

**type** AMP Tyco MT2

 **1.5 mm**

**vpe** **1**



**P5**



**TO.95945380**

**type** AMP Tyco ST1

 **1.6 mm**

**vpe** **1**



**P5**



**TO.88062**

**type** GHW 6.3

 **6.3 mm**

**vpe** **1**



**P2**



**TO.95945407**

**type** AMP Tyco MCP

 **4.8 mm**

**vpe** **1**



**P2**



**TO.95945398**

**type** AMP Tyco - Deutsch

 **1.6 mm**

**vpe** **1**



**P3**




**TO.93004**

**type** AMP Tyco JPT - JPT asy

 **2.8 mm**

**vpe** **1**



**P5**



**TO.99032**

**type** AMP Tyco MT1

 **1.6 mm**

**vpe** **1**



**P5**



**1-1579007-4**

**type** AMP Tyco JT / ST

 **2.8 mm**

**vpe** **1**



**P3**



**TO.95945393**

**type** AMP Tyco MCP

 **4.8 mm**

**vpe** **1**



**P2**




**TO.95945384**

**type** Delphi Ducon

 **4.8 - 6.3 mm**

**vpe** **1**





- Uitdrukgereedschap voor vlakstekers
- Extraction tools - flat terminals
- Entrieglungswerkzeuge für Flachstecker
- Outils d'extraction par fiches plates

P2



TO.95945406

**type** AMP Tyco MCP

**2.8 mm**

**vpe** 1

P2



TO.95945390

**type** AMP Tyco SPT - GHW DFK

**2 4.8 - 5.8 - 6.3mm**

**vpe** 1



TO.95945404

**type** AMP Tyco JPT-SPT-TAB-Delphi HVF2-GHWDFK/MDK3

**2.8-4.8-5.8-6.3mm**

**vpe** 1

539960-1

**type** AMP Tyco Micro-Timer II, Micro-Timer III

**2.8-4.8-5.8-6.3mm**

**vpe** 1



- Uitdrukgereedschap set 9-delig universeel
- Extraction tool set 9-part universal
- Entrieglungswerkzeuge Satz 9 Teilig universal
- Outils d'extraction lot de 9 universel



TO.9D

inhoud uitdruk assortiment

TO.01 - rondstekkers voor max 1.6mm

TO.02 - rond stecker voor max 3.5mm MPP en MPS

TO.05 - rondstekker voor max 2.3mm oa mate en lock MPS-MPP

TO.53 - junior timer . en standaard timer met enkele weerhaak

TO.56 - micro timer type 2 en 3





TO.59 - maxi power timer 9.5mm

TO.62 - pit-pod connectors 2.8. 4.8 en 6.3 multiconnector

TO.74 - microtimer 1 + abs connectors 1.6mm

TO.91 - junior timer en standaard timer met dubbele weerhaak



-  Tool voor Cable Eater
-  Tool for Cable Eater
-  Werkzeug für Kabelfresser
-  Outil pour mangeur de câble



TO.702114

Tool for Cable Eater SF-08-ABS



TO.702121

Tool for Cable Eater SF-15-ABS





 



TO.702138

Tool for Cable Eater SF-20-ABS

-  Soldeer / heating tools
-  Heating / Soldering tools
-  Heizkolben und Lötgerätsätze
-  Outillage de souclé et chauffé



TO.065

Gas solder set met piezo ontsteking  
gas capacity 20 ml

operating time ± 75 min (mid setting)

torch. temp 1300°C

tip temp 210 - 450°C

 76 gr. gas-filled

25 - 80 Watt

1 mm Soldering Tip

Torch Head for Pinpoint

Flame Hot Knife Attachment

Hot Air Blower Tip

Cleaning Sponge

Coil of Tin/Silver Solder

Heavy Duty Ultra-Box



TO.034

type SOLDERPRO 70K gas capacity 20 ml

operating time ± 120 min (mid setting) torch. temp 1300°C

tip temp 210 - 450°C  76 gr. gas-filled  

25 - 80 Watt 1 mm Soldering Tip Torch Head for Pinpoint Flame  
Hot Knife Attachment Hot Air Blower Tip Cleaning Sponge Coil  
of Tin/Silver Solder Heavy Duty Ultra-Box







TO.062

type SOLDERPRO 150K Gas capacity 20 ml

operating time ± 120 min (mid setting) torch. temp 1300°C

tip temp 250 - 550°C  240 gr. gas-filled  

30 - 125 Watt 1mm Catalytic Soldering Tip 2mm Catalytic Soldering Tip Torch  
Head for Pinpoint Flame Hot Knife Attachment Hot Air Blower w/  
deflector Tip Cleaning Sponge Coil of Tin/Silver Solder Heavy Duty Ultra-Box

-  Soldeer / heating tools
-  Heating / Soldering tools
-  Heizkolben und Lötgerätsätze
-  Outillage de souclé et chauffé







**TO.077**  
 Fohn 2000 Watt  
 Temperatuurbereik +50 - +600°C LCD-Display  
 Traploze temperatuurregeling inclusief 4 toebehoren

temp max. 650°C

vpe 1 vpe 1

**TO.035**  
 Gas, gezuiverd speciaal voor gas soldeerbouten - 300 ml

vpe 1

-  Soldeer / heating tools Toebehoren Heating /
-  Soldering tools Accessories
-  Heizkolben und Lötgerätsätze Zubehör
-  Outillage de souclé et chauffé Accessoires

**Pro 70 :**

**Pro150 :**



<b>TO.036</b> S-1 - 1.0 mm Conical tip	<b>TO.037</b> S-2 - 2.0 mm Conical tip	<b>TO.070</b> S-3 - 3.0 mm Conical tip	<b>TO.071</b> S-12 - 2.0 mm Chisel tip
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<b>TO.031</b> PS-10 - 1.6 mm Conical tip	<b>TO.032</b> PS-2 - 3.2 mm Conical tip	<b>TO.075</b> PS-3 - 2.4 mm Chisel tip	<b>TO.076</b> PS-4 - 3.2 mm Chisel tip
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<b>TO.072</b> S-13 - 3.0 mm Chisel tip	<b>TO.073</b> S-14 - 4.0 mm Chisel tip	<b>TO.052</b> S-07 - Catalytic Hot Knife Tip	<b>TO.050</b> S-07 - Catalytic Hot Air Blower
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**TO.030**  
PS-10 - Catalytic  
Hot Air Blower



<b>TO.074</b> S-06 Blow Torch	<b>TO.048</b> S-30 Deflector
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**TO.007 6 - 24 V**

Spanningzoeker  
 Tension tester  
 Spannungsprüflampe



**TO.033**

Remvloeistof tester - Brake fluid tester -  
 Bremsflüssigkeitstester- Testeur de liquide  
 de freins

Met LED weergave Tester geschikt voor:  
 remvloeistof met DOT 3 remvloeistof met DOT 4



24V-3W



**mato**

20



Assortimenten



Kits



Sortimente



Assortiments



-  Assortiment DEUTSCH DT
-  Kit DEUTSCH DT
-  Sortiment DEUTSCH DT
-  Assortiment DEUTSCH DT



### AS.DEUTSCH DT



inhoud	Art.nr.	Omschrijving
2 sets	KV.954	DEUTSCH SET DT-04-2P 2P MALE
2 sets	KV.956	DEUTSCH SET DT-04-3P 3P MALE
2 sets	KV.958	DEUTSCH SET DT-04-4P 4P MALE
1 set	KV.960	DEUTSCH SET DT-04-6P 6P MALE
1 set	KV.962	DEUTSCH SET DT-04-8P 8P MALE
10 stuks	KV.991	KBS DEUTSCH 1.0-2.0 MALE
2 sets	KV.955	DEUTSCH SET DT-06-2S 2P FEMALE
2 sets	KV.957	DEUTSCH SET DT-06-3S 3P FEMALE
2 sets	KV.959	DEUTSCH SET DT-06-4S 4P FEMALE
1 set	KV.961	DEUTSCH SET DT-06-6S 6P FEMALE
1 set	KV.963	DEUTSCH SET DT-06-8S 8P FEMALE
10 stuks	KV.993	KBS DEUTSCH 1.0-2.0 FEMALE





-  Assortiment VAG
-  Kit VAG
-  Sortiment VAG
-  Assortiment VAG



AS.VAG

558 delig

- inhoud
- 10 x KV.8006
  - 10 x KV.8007
  - 50 x KV.8009
  - 50 x KV.8010
  - 100 x KV.8013
  - 50 x KV.8014
  - 10 x KV.8000
  - 100x KV.8002
  - 50 x KV.8004
  - 10 x KV.8005
  - 50 x 927779-1
  - 50 x 928931-2
  - 3 x KV.8017
  - 3 x KV.8018
  - 3 x KV.8019
  - 3 x KV.8020
  - 1 x KV.8021
  - 1 x KV.8022
  - 1 x KV.8023
  - 1 x KV.8024
  - 1 x KV.8025
  - 1 x KV.8026





-  Assortiment Superseal connectoren - waterdicht
-  Kit Superseal connectors - waterproof IP67
-  Sortiment Superseal wasserdichte Steckverbinder
-  Assortiment de connecteur Superseal - résistant l'eau

inhoud - content - inhalt - contenu: 238 pcs.

- 4x KV.143    4x KV.150    50x KV.156
- 4x KV.144    4x KV.151    50x KV.149
- 3x KV.145    3x KV.152    50x KV.157
- 4x KV.146    4x KV.153    50x KV.158
- 2x KV.147    2x KV.154
- 2x KV.148    2x KV.155

AS.203







-  Assortiment MATE-N-LOCK connectorhuizen -
-  connectoren Kit MATE-N-LOCK connectors - terminals
-  Sortiment MATE-N-LOCK Steckgehäuse - Crimpverbinder
-  Assortiment Boîtiers MATE-N-LOCK et connecteurs



AS.199

inhoud : 296 pcs.

10x	180905 - 1 pol.	5x	180941 - 3 pol
10x	180916 - 1 pol	5x	180901 - 4 pol
10x	180924 - 2 pol	5x	180900 - 4 pol
10x	180923 - 2 pol	5x	180906 - 6 pol
10x	180908 - 2 pol	5x	180904 - 6 pol
10x	180907 - 2 pol	3x	163008 - 8 pol
5x	180940 - 3 pol	3x	163007 - 8 pol
100x KV.2911			
100x KV.2922			





-  Assortiment Multi connectorhuizen - connectoren
-  Kit Multi connectors - terminals - cable ties
-  Sortiment Steckgehäuse - Crimpverbinder - Kabelbänder
-  Assortiment Boîtiers et connecteurs pour contacts à sertir



AS.202

inhoud : 458 pcs.

5x	350777-1	3x	350810-1	1x	350736-1
5x	350778-1	5x	350715-4	1x	926647-3
5x	350766-1	5x	926682-3	100x	KV.111
5x	926683-3	4x	350720-1	100x	KV.105
4x	350779-1	4x	927231-3	100x	KV.414
4x	350780-1	2x	350735-1	100x	KV.416
3x	350809-1	2x	926681-3		





-  Assortiment "Timer" connectorhuizen
-  Kit "Timer" connectorhousings
-  Sortiment "Timer" Steckgehäuse
-  Assortiment "Timer" Boîtiers pour contacts à sertir



AS.201

inhoud : 458 pcs.

5x	826008-5	2x	827656-1
5x	828657-3	2x	KV.232
2x	880810-1	2x	827216-1
2x	880810-1	2x	KV.162
2x	KV.161	100x	927779-1
3x	827656-1	100x	962945-1
2x	880811-2		
2x	KV.231		





-  Assortiment "Timer" connectoren
-  Kit "Timer" terminals
-  Sortiment "Timer" Crimpverbinder
-  Assortiment "Timer" connecteurs



AS.218

inhoud : 450 pcs.

25x KV.772	25x KV.769
25x KV.770	25x KV.768
25x KV.149	25x KV.769
25x KV.156	25x KV.768
25x KV.765	25x KV.762
25x KV.764	25x 163307-2
25x KV.761	25x KV.766
25x KV.760	25x KV.766
25x KV.224	
25x KV.226	





-  Assortiment - ongeïsoleerde kabelschoenen - incl. handtang
-  Kit - non insulated terminals -Hand crimping tool included
-  Sortiment - Kabelverbinder nichtisoliert - Inklusif Zange
-  Assortiment - cosse non-isolée - inclusif pince



AS.213

inhoud : 1820 pcs.

100x KV.036	100x KV.216	100x KV.255	100x PH-1000
100x KV.054	25x KV.217	50x KV.258	50x PH-1020
100x KV.057	100x KV.218	100x KV.259	100x 5-160492-2
50x KV.068	50x KV.219	25x KV.262	1x 169111-1
100x KV.119	50x KV.220	50x KV.289	
75x KV.124	25x KV.221	100x KV.291	
100x KV.215	100x KV.254	75x KV.2922	

-  Assortiment krimp / soldeer kabelverbinders
-  Kit Heat shrink / solder terminals
-  Sortiment Schrumpf-Löt Verbinder
-  Assortiment de connecteur thermoréactable à paroi mince/à souder




AS.215

inhoud : 180 pcs.

10x KV.0001	10x KV.1570	10x KV.3631
10x KV.0002	10x KV.1571	10x KV.3632
10x KV.0003	10x KV.1572	10x KV.4631
10x KV.1401	10x KV.1602	10x KV.4632
10x KV.1502	10x KV.1803	10x KV.7502
10x KV.1510	10x KV.1993	10x KV.8502

 Assortiment geïsoleerde kabelschoenen

 Kit Pre insulated terminals

 Sortiment Kabelverbinder isoliert

 Assortiment cosse pré-isolée



AS.204

inhoud 800 pcs.

50x KV.540  
50x KV.541  
50x KV.542  
50x KV.545  
50x KV.546  
  
50x KV.547  
50x KV.548  
50x KV.549  
50x KV.550  
50x KV.634  
  
50x KV.635  
50x KV.655  
50x KV.656  
50x KV.740  
50x KV.1541  
50x KV.1542



AS.205

inhoud 800 pcs.

50x KV.540  
50x KV.541  
50x KV.542  
50x KV.545  
50x KV.546  
  
50x KV.551  
50x KV.634  
50x KV.635  
50x KV.636  
50x KV.644  
  
50x KV.654  
50x KV.655  
50x KV.656  
50x KV.665  
50x KV.676  
50x KV.740



AS.206

inhoud 800 pcs.

50x KV.535	25x KV.555	25x KV.674	50x KV.1541
50x KV.536	50x KV.557	25x KV.675	50x KV.1542
50x KV.540	50x KV.562	25x KV.676	25x KV.1543
50x KV.544	50x KV.636	50x KV.740	10x KV.1560
25x KV.549	50x KV.655	25x KV.840	10x KV.1563
25x KV.550	50x KV.656	25x KV.840	50x KV.1742
			1x TO.004

Incl. kabelschoen handtang

Hand crimping tool included

Quetsch/Abisolier Zange inklusif

Inclusif pince à sertir/dénuder

 Assortiment - geïsoleerde / ongeïsoleerde kabelschoenen - adereindhulzen - kabelverbinders

 Kit - Pre / noninsulated terminals - cord end sleeves - connectors

 Sortiment - Kabelverbinder isoliert / nicht isoliert - Kabelendhülsen - Kabelverbinder





 Assortiment - Cousse pré-isolée / non isolée - douilles de câble - Connecteurs

AS.217

inhoud : 1870 pcs.

25 x CS-63N004-2	100x KV.291	50x KV.741
25 x PH-1000	100x KV.292	50x KV.1541
25 x PH-1001	50x KV.536	50x KV.1542
25 x PH-1020	50x KV.537	50x KV.1543
25 x PH-1021	50x KV.540	50x KV.1549
100 x KV.119	50x KV.542	50x KV.1550
100 x KV.121	25x KV.543	10x KV.1560
100 x KV.254	50x KV.546	10x KV.1563
100 x KV.255	50x KV.559	100x KV.2911
100 x KV.259	50x KV.560	100x KV.2922
100 x KV.289	50x KV.562	







-  Assortiment - geïsoleerde kabelschoenen - adereindhulzen - incl. kabelschoen handtang + momenttang voor adereindhulzen
-  Kit - pre insulated terminals - cord end sleeves - Hand crimping tool + Ratchet crimping tool for cord end sleeves included
-  Sortiment - Kabelverbinder isoliert - Kabelendhülsen - Quetsch/Abisolier Zange + Automatik Quetsch Zange für Kabelendhülsen
-  Assortiment - cosse pré-isolée - douilles de câble - inclusif pince à sertir/dénuder + pince automatique à sertir de douilles de câble



AS.216

inhoud : 1227 pcs.

100x KV.126	25x KV.538	50x KV.645
100x KV.127	50x KV.545	50x KV.664
100x KV.128	50x KV.546	25x KV.665
100x KV.129	25x KV.551	25x KV.674
100x KV.130	50x KV.566	25x KV.684
25x KV.442	50x KV.621	1x TO.001
50x KV.535	25x KV.622	1x TO.010
50x KV.536	50x KV.635	
50x KV.537	50x KV.644	





-  Assortiment adereindhulzen
-  Kit cord end sleeves
-  Sortiment Kabelendhülsen
-  Assortiment douilles de câble



AS.229

inhoud : 400 pcs.

50x KV.125
100x KV.126
100x KV.127
100x KV.128
50x KV.129

-  Assortiment adereindhulzen + momenttang
-  Kit cord end sleeves + Ratchet crimping tool
-  Sortiment Kabelendhülsen + Automatik Quetsch Zange
-  Assortiment douilles de câble - inclusif pince automatique







AS.219

inhoud : 4851 pcs.

500x KV.125	200x KV.178	100x TE-1508-XL
500x KV.126	200x KV.179	100x TE-2508-XL
500x KV.127	200x KV.180	100x TE-4010-XL
500x KV.127	200x KV.180	100x KB.335
500x KV.128	200x KV.181	100x KB.337
300x KV.129	100x KV.182	100x KB.337
200x KV.130	100x KV.183	1x TO.010
100x KV.131	50x KV.184	



-  Assortiment kabelbundelband - zwart
-  Assortment cable Ties - black
-  Sortiment Kabelbänder - schwarz
-  Assortiment colliers serre-câble - noir



AS.222

inhoud : 2300 pcs.

- 600 x KB.301
- 400 x KB.312
- 400 x KB.316
- 300 x KB.302
- 200 x KB.304
- 200 x KB.306
- 200 x KB.310







KB.REK500

inhoud : 500 pcs.

- 100x KB.301 - T18RW 100X2.5
- 100x KB.302 - T30RW 140X3.2
- 100x KB.304 - T50RW 200X4.8
- 100x KB.308 - T50IW 300X4.8
- 100x KB.310 - T50LW 385X4.8

KB.REK

KABELBUNDELBAND  
REKJE LEEG





-  Assortiment kabelbundelband - wit
-  Assortment cable Ties - white
-  Sortiment Kabelbänder - weiss
-  Assortiment colliers serre-câble - blanc



AS.224

inhoud : 2300 pcs.

- 600 x KB.335
- 400 x KB.359
- 400 x KB.360
- 300 x KB.327
- 200 x KB.364
- 200 x KB.365
- 200 x KB.341

-  Assortiment kabelbundelband - gekleurd
-  Assortment cable Ties - coloured
-  Sortiment Kabelbänder - Farbig
-  Assortiment colliers serre-câble - couleur



AS.223





inhoud : 1800 pcs.

- 100 x KB.413
- 100 x KB.414
- 100 x KB.415
- 100 x KB.416
- 100 x KB.419
- 300 x KB.420
- 200 x KB.326
- 200 x KB.327
- 200 x KB.328
- 200 x KB.329
- 100 x KB.331
- 100 x KB.333

AS.240

Assortiment met 1000  
kabelbandjes 2.5 x100  
in 10 verschillende kleuren:  
zwart - rood - oranje - groen - blauw  
wit - geel fluo. - bruin - grijs - violet



-  Assortiment rubber doorvoertules
-  Assortiment rubber grommets
-  Sortiment Gummi Kabeldurchführungstüllen
-  Assortiment passe-câble en caoutchouc



AS.2300

inhoud : 208 pcs.

25x KB.2106	20x KB.2206A	10x KB.2212
20x KB.2108	20x KB.2206B	10x KB.2213
10x KB.2110	25x KB.2209	8x KB.2216
25x KB.2205	20x KB.2211	4x KB.2225



-  Krimpkaus - Assortiment
-  Heat shrink sleeving - Kit
-  Schrumpfschlauch - Sortiment
-  Gaine thermoréactable à paroi mince - Assortiment

Ratio 2 : 1  
 ⚡ -55°C / +125°C  
 Contraction temp: 70°C  
 mat. Polyolefin - CE - UL 224 VW-1



IP.115

inhoud : 266 pcs.

art.nr.	kleur	Ratio	vpe
IP.153	●	Ø 1.6 mm ~ Ø 0.8 mm - L 40 mm	40 pcs
IP.154	●	Ø 2.4 mm ~ Ø 1.2 mm - L 40 mm	40 pcs
IP.155	●	Ø 3.2 mm ~ Ø 1.6 mm - L 40 mm	40 pcs
IP.156	●	Ø 4.8 mm ~ Ø 2.4 mm - L 40 mm	40 pcs
IP.157	●	Ø 6.4 mm ~ Ø 3.2 mm - L 40 mm	40 pcs
IP.158	●	Ø 9.5 mm ~ Ø 4.7 mm - L 40 mm	20 pcs
IP.159	●	Ø 12.7 mm ~ Ø 6.3 mm - L 40 mm	20 pcs
IP.160	●	Ø 19.0 mm ~ Ø 8.5 mm - L 40 mm	20 pcs
IP.161	●	Ø 25.4 mm ~ Ø 12.7 mm - L 40 mm	6 pcs

-  Krimpkaus - Assortiment
-  Heat shrink sleeving - Kit
-  Schrumpfschlauch - Sortiment
-  Gaine thermoréactable à paroi mince - Assortiment

Ratio 3 : 1  
 ⚡ -55°C / +125°C  
 Contraction temp: 70°C  
 mat. Polyolefin - CE - UL 224 VW-1



IP.023

inhoud : 222 pcs.

15 pcs. IP.162	●	IP.177	●	15 pcs.
12 pcs. IP.163	●	IP.178	●	9 pcs.
10 pcs. IP.164	●	IP.179	●	3 pcs.
15 pcs. IP.165	●	IP.168	●	15 pcs.
12 pcs. IP.166	●	IP.169	●	12 pcs.
10 pcs. IP.167	●	IP.170	●	10 pcs.
15 pcs. IP.174	○	IP.171	●	15 pcs.
12 pcs. IP.175	○	IP.172	●	12 pcs.
10 pcs. IP.176	○	IP.173	●	10 pcs.



Krimpkaus - Assortiment - Navulling

Heat shrink sleeving - Kit -

Schrumpfschlauch - Sortiment

Gaine thermoréactable à paroi mince - Assortiment

Ratio 3 : 1

−55°C / +125°C

Contraction temp: 70°C

mat. Polyolefin - CE - UL 224 VW-1

### NAVULLING



art.nr.	kleur	Ratio	vpe
IP.162	●	∅ 3.0 mm ∅ 1.0 mm - L 40 mm	100 pcs.
IP.163	●	∅ 6.0 mm ∅ 2.0 mm - L 40 mm	50 pcs.
IP.164	●	∅ 19.0 mm ∅ 6.0 mm - L 40 mm	25 pcs.
IP.165	●	∅ 3.0 mm ∅ 1.0 mm - L 40 mm	100 pcs.
IP.166	●	∅ 6.0 mm ∅ 2.0 mm - L 40 mm	50 pcs.
IP.167	●	∅ 19.0 mm ∅ 6.0 mm - L 40 mm	25 pcs.
IP.168	●	∅ 3.0 mm ∅ 1.0 mm - L 40 mm	100 pcs.
IP.169	●	∅ 6.0 mm ∅ 2.0 mm - L 40 mm	50 pcs.
IP.170	●	∅ 19.0 mm ∅ 6.0 mm - L 40 mm	25 pcs.
IP.171	●	∅ 3.0 mm ∅ 1.0 mm - L 40 mm	100 pcs.
IP.172	●	∅ 6.0 mm ∅ 2.0 mm - L 40 mm	50 pcs.
IP.173	●	∅ 19.0 mm ∅ 6.0 mm - L 40 mm	25 pcs.
IP.174	○	∅ 3.0 mm ∅ 1.0 mm - L 40 mm	100 pcs.
IP.175	○	∅ 6.0 mm ∅ 2.0 mm - L 40 mm	50 pcs.
IP.176	○	∅ 19.0 mm ∅ 6.0 mm - L 40 mm	25 pcs.
IP.177	●	∅ 3.0 mm ∅ 1.0 mm - L 40 mm	50 pcs.
IP.178	●	∅ 6.0 mm ∅ 2.0 mm - L 40 mm	25 pcs.
IP.179	●	∅ 19.0 mm ∅ 6.0 mm - L 40 mm	10 pcs.



Zekering - Assortimenten

Fuses - Kits

Sicherungen - Sortimente

Fusibles - Assortiments



AS.211

Mini type

inhoud : 250 pcs.

- 10x FU.7003
- 10x FU.7004
- 30x FU.7005
- 30x FU.7075
- 50x FU.7010
- 50x FU.7015
- 50x FU.7020
- 10x FU.7025
- 10x FU.7030



AS.210

inhoud : 265 pcs.

- Mini type
  - 25x FU.7075
  - 25x FU.7010
  - 25x FU.7015
  - 25x FU.7020
- Stand. type
  - 25x FU.1075
  - 25x FU.1010
  - 25x FU.1015
  - 25x FU.1020
  - 25x FU.1030
- Maxitype
  - 5x FU.9030
  - 5x FU.9040
  - 5x FU.9060
- Japans
  - 4x FU.030AS
  - 4x FU.040AS
  - 4x FU.060AS
  - 3x FU.080B
  - 5x FU.030J1
  - 5x FU.040J1




AS.212

inhoud : 100 pcs.

Micro FLP type

- 10x FU.7003FLP
- 10x FU.7004FLP
- 10x FU.7005FLP
- 10x FU.7075FLP
- 10x FU.7010FLP
- 10x FU.7015FLP
- 10x FU.7020FLP
- 10x FU.7025FLP
- 10x FU.7030FLP

-  Zekering - Assortimenten
-  Fuses - Kits
-  Sicherungen - Sortimente
-  Fusibles - Assortiments



**AS.208**

**inhoud : 320 pcs.**

Mini type	Stand. type	Maxi type
25x FU.7005	25x FU.1005	5x FU.9040
25x FU.7075	25x FU.1075	5x FU.9050
25x FU.7010	25x FU.1010	5x FU.9060
25x FU.7015	25x FU.1015	5x FU.9070
25x FU.7020	25x FU.1020	5x FU.9080
25x FU.7030	25x FU.1030	5x FU.90100



**AS.209**

**inhoud : 266 pcs.**

Mini type	Stand. type	Maxi type	Japan type
25x FU.7075	25x FU.1075	5x FU.9020	4x FU.030AS
25x FU.7010	25x FU.1010	5x FU.9040	4x FU.040AS
25x FU.7015	25x FU.1015	5x FU.9060	2x FU.060B
25x FU.7020	25x FU.1020		4x FU.080C
	25x FU.1030		2x FU.030CS
			2x FU.040CS



**AS.207**

**inhoud : 30 pcs.**

Japan type	
2x FU.030AS	2x FU.030C
2x FU.040AS	2x FU.040C
2x FU.020CS	2x FU.060C
2x FU.030CS	3x FU.080C
4x FU.040CS	1x FU.100C
2x FU.050CS	2x FU.025D
2x FU.060CS	2x FU.030D



**AS.226**

**inhoud : 450 pcs.**

Mini type	Stand. type	Ceramic type
25x FU.7075	25x FU.1005	25x FU.2005
25x FU.7010	25x FU.1075	25x FU.2008
25x FU.7015	25x FU.1010	25x FU.2016
25x FU.7020	25x FU.1015	25x FU.2025
25x FU.7025	25x FU.1020	
25x FU.7030	25x FU.1025	Glas / radio type
	25x FU.1030	25x FU.4002

-  Zekering - Assortimenten
-  Fuses - Kits
-  Sicherungen - Sortimente
-  Fusibles - Assortiments



**AS.225**

**inhoud : 190 pcs.**

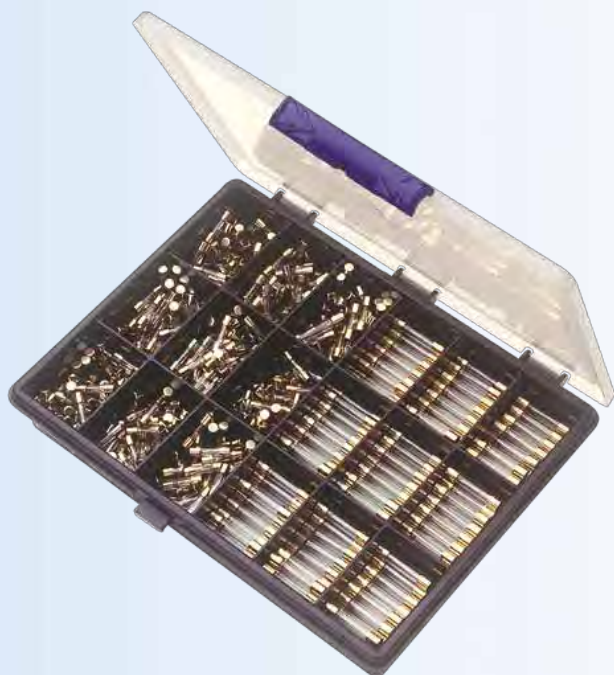
Mini type	Maxi type	Japan type	Glas / radio type
25x FU.7075	5x FU.9030	2x FU.030AS	25x FU.4002
25x FU.7010	5x FU.9050	2x FU.050AS	
25x FU.7015	5x FU.9070	4x FU.060AS	
25x FU.7020	5x FU.90100	2x FU.080AS	
25x FU.7025		2x FU.030B	
Fuse holders		2x FU.050B	
2x FU.936 Maxi Fuse holder		2x FU.080B	
2x Maxi Fuse holder			



**AS.227**

**inhoud : 66 pcs.**

LED Mini type	LED Stand. type
3x FU.7103	3x FU.6003
3x FU.7104	3x FU.6004
3x FU.7105	3x FU.6005
3x FU.7175	3x FU.6075
5x FU.7110	5x FU.6010
5x FU.7115	5x FU.6015
5x FU.7120	5x FU.6020
3x FU.7125	3x FU.6025
3x FU.7130	3x FU.6030



**AS.220**

**inhoud - : 650 pcs.**

Glas 5 X 20 mm	Glas 6 X 32 mm
50x FU.4500	25x FU.5001
50x FU.4001	25x FU.5002
50x FU.4002	25x FU.5003
50x FU.4003	25x FU.5004
50x FU.4004	25x FU.5005
50x FU.4005	25x FU.5006
50x FU.4006	25x FU.5008
50x FU.4008	25x FU.5010
50x FU.4010	



**Brandstofslangklemmen assortiment - inh. 120 stuks + flexibele schroevendr.**

**Fuel hose clamps assortment - contents: 120 pcs + flexible screwdriver**

**Treibstoff Schlauchschellen Sortiment - inhalt: 120 St. + Schlauchschellendr.**

**Assortiment avec 120 colliers de serrage carburant + tournevis flexible**



#### ABA120

- 15x MINI 8 - Ø 6-8
- 15x MINI 9 - Ø 7-9
- 30x MINI 10 - Ø 8-10
- 10x MINI 11 - Ø 9-11
- 30x MINI 12 - Ø 10-12
- 10x MINI 13 - Ø 11-13
- 5x MINI 14 - Ø 12-14
- 5x MINI 15 - Ø 13-15
- 1x FLEX25/7

**Slangklem assortiment 9 mm 270-delig**



**Slangklemmen assortiment - inh. 270 stuks + flexibele schroevendr.**

**Hose clamps assortment - contents: 270 pcs + flexible screwdriver**

**Schlauchschellen Sortiment - inhalt: 270 St. + Schlauchschellendr.**

**Assortiment avec 270 colliers de serrage + tournevis flexible**



**270-delig 9 mm slangklemmen assortiment**

#### ABA270

- 50 x ABA 8-14
- 50 x ABA 11-17
- 50 x ABA 13-20
- 25 x N 15-24
- 25 x N 19-28
- 20 x N 22-32
- 15 x N 26-38
- 15 x N 32-44
- 10 x N 38-50
- 10 x N 44-56
- 1 x FLEX25/7



**270-delig 9 /12 mm slangklemmen assortiment**

#### ABA270-12

- 50 x ABA 8-14
- 50 x ABA 11-17
- 50 x ABA 13-20
- 25 x ABA 15-24
- 25 x ABA 19-28
- 20 x ABA 22-32
- 15 x ABA 26-38
- 15 x ABA 32-44
- 10 x ABA 38-50
- 10 x ABA 44-56
- 1 x FLEX25/7



Assortiment ongeïsoleerde adereindhulzen - incl. handtang voor adereindhulzen Kit



non insulated cord end sleeves - hand crimping tool for cord end sleeves included



Sortiment nicht isolierte Kabelendhülsen - Inklusif Quetsch Zange für Kabelendhülsen



Assortiment douilles de câble non-isolée - inclusif pince à sertir de douilles de câble



AS.228

inhoud - : 18.950 pcs.

1.000 x KV.0.34-5	1.000 x KV.1.0-6	500 x KV.2.5-10
1.000 x KV.0.50-6	1.000 x KV.1.0-8	500 x KV.2.5-12
1.000 x KV.0.50-8	1.000 x KV.1.0-10	500 x KV.4.0-8
1.000 x KV.0.50-10	1.000 x KV.1.5-6	250 x KV.4.0-12
1.000 x KV.0.75-6	1.000 x KV.1.5-8	250 x KV.6.0-10
1.000 x KV.0.75-6	500 x KV.1.5-10	200 x KV.6.0-12
1.000 x KV.0.75-8	500 x KV.1.5-12	150 x KV.10-12
1.000 x KV.0.75-10	1.000 x KV.2.5-6	100 x KV.16-12
1.000 x KV.1.0-6	500 x KV.2.5-8	1 x TO.1904



Assortimenten - leeg



Kits - empty



Sortimente - leer



Assortiments - vide

AS.145001



TAYG ASS. BOX 312x238x51mm

AS.146008



TAYG ASS. BOX 378x290x61mm

AS.147005



TAYG ASS. BOX 460x350x81mm

AS.PSC4-01



RAACO 338x261x57mm

AS.136167



RAACO 18 VAKS 240x195x43mm

AS.112857



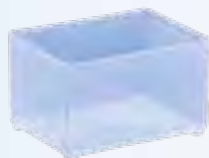
RAACO 12 VAKS 175x143x32mm

AS.103695



79x218mm

AS.105590



80x55mm

AS.100274



39x55mm



20-12



***mato***

**21**



Slangklemmen - Leidingklemmen



Hose clamps - Pipe retaining clips







Schlauch und Rohrschellen



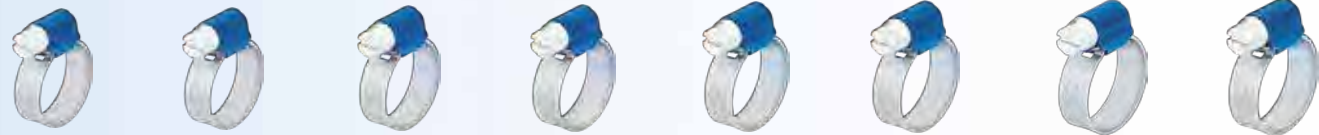
Colliers de serrage -  
Colliers caoutchouts





-  Slangklemmen
-  Hose clamps
-  Schlauchschellen
-  Colliers de serrage

**ABA NOVA - 9 mm**







8-14/9      11-17/9      13-20/9      15-24/9      19-28/9      22-32/9      26-38/9      32-44/9

Ø 8-14 mm - 60    Ø 11-17 mm - 60    Ø 13-20 mm - 60    Ø 15-24 mm - 60    Ø 19-28 mm - 60    Ø 22-32 mm - 60    Ø 26-38 mm - 60    Ø 32-44 mm - 60



38-50/9      44-56/9      50-65/9      58-75/9      68-85/9


Ø 38-50 mm - 60    Ø 44-56 mm - 60    Ø 50-65 mm - 60    Ø 58-75 mm - 60    Ø 68-85 mm - 60

-  **Reparatie set - staal verzinkt**
-  **Repair kit - galvanized steel**
-  **Reparaturset - Stahl verzinkt**
-  **Kit de réparation - acier galvanisée**

50268049



8 mtr. + 25 pcs - 9 mm - 1





-  Slangklemmen - roestvrij staal
-  Hose clamps - stainless steel
-  Schlauchschellen - Edelstahl
-  Colliers de serrage - acier inoxydable

**ABA Ultra - 9 mm - W2**



8-14/9RVS      11-17/9RVS      13-20/9RVS

Ø 8-14 mm - 60    Ø 11-17 mm - 60    Ø 13-20 mm - 60

-  Slangklemmen
-  Hose clamps
-  Schlauchschellen
-  Colliers de serrage

**ABA ORIGINAL - 12 mm**



15-24/12      19-28/12      22-32/12      26-38/12      32-44/12      38-50/12      44-56/12      50-65/12

Ø 15-25mm 60    Ø 19-28mm 60    Ø 22-32mm 60    Ø 26-38mm 60    Ø 32-44 mm 60    Ø 38-50mm 60    Ø 44-56 mm 60    Ø 50-65 mm 60



58-75/12      68-85/12      77-95/12      87-112/12      104-138/12      130-165/12      150-180/12      175-205/12

Ø 58-75mm 60    Ø 68-85mm 60    Ø 77-95mm 60    Ø 87-112mm 60    Ø 104-138mm 60    Ø 130-165mm 60    Ø 150-180mm 60    Ø 175-205mm 60







200-231/12      226-256/12      251-282/12      277-307/12      310-340/12      365-395/12      630-665/12

Ø 200-231mm 60    Ø 226-256mm 60    Ø 251-282mm 60    Ø 277-307mm 60    Ø 310-340mm 25    Ø 365-395mm 1    Ø 630-665mm 1

-  Slangklemmen - roestvrij staal
-  Hose clamps - stainless steel
-  Schlauchschellen - Edelstahl
-  Colliers de serrage - acier inoxydable





**ABA Ultra - 12 mm - W2**



-  Brandstofslangklemmen
-  Fuel hose clamps
-  Treibstoff Schlauchschellen
-  Colliers de serrage carburant



**ABA MINI**



-  Brandstofslangklemmen - roestvrij staal
-  Fuel hose clamps - stainless steel
-  Treibstoff Schlauchschellen - Edelstahl
-  Colliers de serrage carburant - acier inoxydable

**ABA MINI RVS**



-  Oorslangklemmen
-  Ear clips
-  Schlauchschellen
-  Colliers de serrage

ABA 2



T5-7    T7-9    T9-11    T11-13    T13-15    T15-18    T17-20    T20-23  
 Ø 5-7 mm     Ø 7-9 mm     Ø 9-11 mm     Ø 11-13 mm     Ø 13-15 mm     Ø 15-18 mm     Ø 17-20 mm     Ø 20-23 mm 

T23-25    T25-28    T28-31    T31-34    T34-37    T37-40  
 Ø 23-25 mm     Ø 25-28 mm     Ø 28-31 mm     Ø 31-34 mm     Ø 34-37 mm     Ø 37-40 mm 

-  Ashoes klemmen - roestvrij staal
-  Boot clamps - stainless steel
-  Achsmanschets binder - Edelmetaal
-  Colliers de soufflet protecteurs - acier inoxydable

Radial™

-  Micro klem
-  Micro clamp
-  MicroKlemmschelle
-  MicroPince de serrage




CV2550    Ø 25-50 mm     MICRO5/7-11    Ø 7-11 mm    MICRO5/10-19    Ø 10-19 mm  
 CV40120    Ø 40-120 mm     vpe 100    vpe 100

-  Leidingklem Rubber
-  Lined Clips
-  Rohrschellen
-  Colliers caoutchouté

SMS

12.7 mm



12.7 mm	art.nr.	dim.	vpe	art.nr.	dim.	vpe	art.nr.	dim.	vpe	art.nr.	dim.	vpe
	L300	Ø 3	100	L308	Ø 16	100	L316	Ø 29	50	L324	Ø 51	25
	L301	Ø 5	100	L309	Ø 18	50	L317	Ø 30	50	L325	Ø 54	25
	L302	Ø 6	100	L310	Ø 19	50	L318	Ø 32	50	L326	Ø 41	25
	L303	Ø 8	100	L311	Ø 21	50	L319	Ø 33	50	L327	Ø 64	25
	L304	Ø 10	100	L312	Ø 22	50	L320	Ø 35	50	L328	Ø 47	25
	L305	Ø 11	100	L313	Ø 24	50	L321	Ø 37	50	L329	Ø 60	25
	L306	Ø 13	100	L314	Ø 25	50	L322	Ø 38	50	L330	Ø 75	25
	L307	Ø 14	100	L315	Ø 27	50	L323	Ø 45	25	L331	Ø 110	25





-  Leidingklem Rubber
-  Lined Clips
-  Rohrschellen
-  Colliers caoutchouté

DIN 3016

20 mm



12 mm	art.nr.	dim.	vpe	art.nr.	dim.	vpe	art.nr.	dim.	vpe
	LK5/12	Ø 5	50	LK5/15	Ø 5	50	LK14/15	Ø 14	50
	LK6/12	Ø 6	50	LK6/15	Ø 6	50	LK15/15	Ø 15	50
	LK8/12	Ø 8	50	LK8/15	Ø 8	50	LK20/15	Ø 20	50
	LK10/12	Ø 10	50	LK10/15	Ø 10	50	LK22/15	Ø 22	50
				LK12/15	Ø 12	50	LK25/15	Ø 25	50
							LK32/15	Ø 32	50
							LK35/20	Ø 35	50
							LK38/20	Ø 38	50
							LK40/20	Ø 40	50
							LK42/20	Ø 42	50
							LK45/20	Ø 45	50
							LK48/20	Ø 48	50
							LK50/20	Ø 50	50

-  Robust Standard-S20 (W2): roestvrij staal
-  Robust Standard-S20 (W2): Band in stainless
-  steel Robust Standard-S20 (W2): Edelstahl
-  Robust Standard-S20 (W2): acier inoxydable



20 mm			22 mm			24 mm			30 mm		
art.nr.	dim.	vpe	art.nr.	dim.	vpe	art.nr.	dim.	vpe	art.nr.	dim.	vpe
R29-31	29-31	1	R44-47	44-47	1	R68-73	68-73	1	R122-130	122-130	1
R32-35	32-35	1	R48-51	48-51	1	R74-79	74-79	1	R131-139	131-139	1
R36-39	36-39	1	R52-55	52-55	1	R80-85	80-85	1	R140-148	140-148	1
R40-43	40-43	1	R56-59	56-59	1	R86-91	86-91	1	R149-161	149-161	1
			R60-63	60-63	1	R92-97	92-97	1	R162-174	162-174	1
			R64-67	64-67	1	R98-103	98-103	1	R175-187	175-187	1
						R104-112	104-112	1	R214-226	214-226	1
						R113-121	113-121	1	R227-239	227-239	1





-  Spanklem
-  Clamping clamp
-  Klemmschelle
-  Pince de serrage



SPANKLEM 56/20 2 DLG W1



SPANKLEM 62/20 2 DLG W1

-  Slangklemmen rek - inh. 244 stuks + flexubele schroevendraaier
-  Hose clamps display - contents: 244 pcs + flexible screwdriver
-  Schlauchschellen Ständer - inhalt: 244 St. + Schlauchschellendreher
-  Display avec 244 colliers de serrage + tournevis flexible

ABA NOVA - 9 mm



ABA244/9

-  Slangklemmen rek - inh. 244 stuks + flexubele schroevendraaier
-  Hose clamps display - contents: 244 pcs + flexible screwdriver
-  Schlauchschellen Ständer - inhalt: 244 St. + Schlauchschellendreher
-  Display avec 244 colliers de serrage + tournevis flexible

ABA ORIGINAL - 12 mm



ABA244/12

-  Flexibele schroevendraaier
-  Flexible screwdriver
-  Schlauchschellendreher
-  Tournevis flexible

ABA 7 mm







L 25 cm

FLEX25/7



L 60 cm

FLEX60/7

-  Brandstofslangklemmen assortiment - inh. 120 stuks + flexibele schroevendraaier Fuel
-  hose clamps assortiment - contents: 120 pcs + flexible screwdriver Treibstoff
-  Schlauchschellen Sortiment - inhalt: 120 St. + Schlauchschellendreher
-  Assortiment avec 120 colliers de serrage carburant + tournevis flexible

ABA NOVA

12 mm

15 x MINI 8    30 x MINI10    30 x MINI12    5 x MINI14    ABA120  
 15 x MINI 9    10 x MINI11    10 x MINI13    5 x MINI15





# mato

# 22



Werk / Veiligheidsverlichting  
& Reflectoren



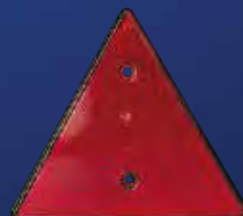
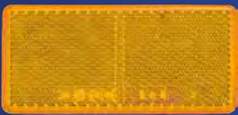
Working / Safety lights & Reflectors



Sicherheits / Arbeitsleuchten  
& Reflektoren



Éclairage de travail /  
sécurité & Reflecteurs



-  LED lampen - voor Looplampen
-  LED lamps - for handlamps
-  LED Lampen - für Handlampen
-  LEDLampes - pour lampes de poche



**avide**




**globe** P84117 vpe 1

<b>V</b>	230 V	color temp.
<b>W</b>	12 (60) W	2700K
<b>lm</b>	1050	 60 mm
	E27	 112 mm



**PHILIPS**




P577714 vpe 1

<b>V</b>	230 V	color temp.
<b>W</b>	8 (60) W	2700K
<b>lm</b>	1050	 60 mm
	E27	 112 mm

-  LED-lampen - WIFI APP CONTROL
-  LED lampss - WIFI APP CONTROLL
-  LED-Lampen - WIFI APP CONTROL
-  Lampes à LED - WIFI APP CONTROL





**globe** P17962 vpe 1

<b>V</b>	230 V	color temp.
<b>W</b>	9 (60) W	RGB+W, CCT 2700-6500K
<b>lm</b>	806	 60 mm
	E27	 112 mm



**mini globe** P18082 vpe 1

<b>V</b>	230 V	color temp.
<b>W</b>	5.5 (40) W	RGB+W, CCT 2700-6500K
<b>lm</b>	470	 45 mm
	E14	 82 mm





**candle** P18068 vpe 1

<b>V</b>	230 V	color temp.
<b>W</b>	5.5 (40) W	RGB+W, CCT 2700-6500K
<b>lm</b>	470	 37 mm
	E14	 100 mm







**GU10 spot** P18105 vpe 1

<b>V</b>	230 V	color temp.
<b>W</b>	5.5 (40) W	RGB+W, CCT 2700-6500K
<b>lm</b>	350	 50 mm
	GU10	 53 mm

**WIFI APP BEDIENING**

Met Avide Smart LED WIFI-producten kunt u de lichten in uw pand bedienen met de Smart Life-applicatie voor iOS / Android op uw smartphone. De producten worden aanbevolen voor omgevings- / sfeer- of zelfs hoofdverlichting. Meerdere lichtbronnen kunnen tegelijkertijd worden aangestuurd.

-  LED lampen - PIR-BEWEGINGSSENSOR
-  LED lamps - PIR MOTION SENSOR
-  LED Lampen - PIR BEWEGUNGSSENSOR
-  LEDLampes - CAPTEUR DE MOUVEMENT PIR



**globe** P17986 vpe 1









<b>V</b>	230 V	color temp.
<b>W</b>	10 (60) W	W 4000K
<b>lm</b>	806	 60 mm
	E27	 112 mm





**PIR-BEWEGINGSSENSOR**

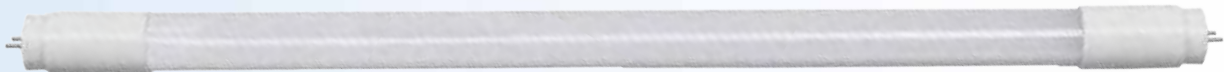
LED-lamp met PIR-bewegingssensor en neutrale witte (4000 K) kleurtemperatuur. Sterk aanbevolen voor trappen, gangen en andere sociale gebouwen.

-  LED lampen - IR AFSTANDSBEDIENING SMART BULB
-  LED lamps - IR REMOTE SMART BULB
-  LED Lampen - IR SMART FERNBIRNE
-  LED Lampes - AMPOULE INTELLIGENTE IR



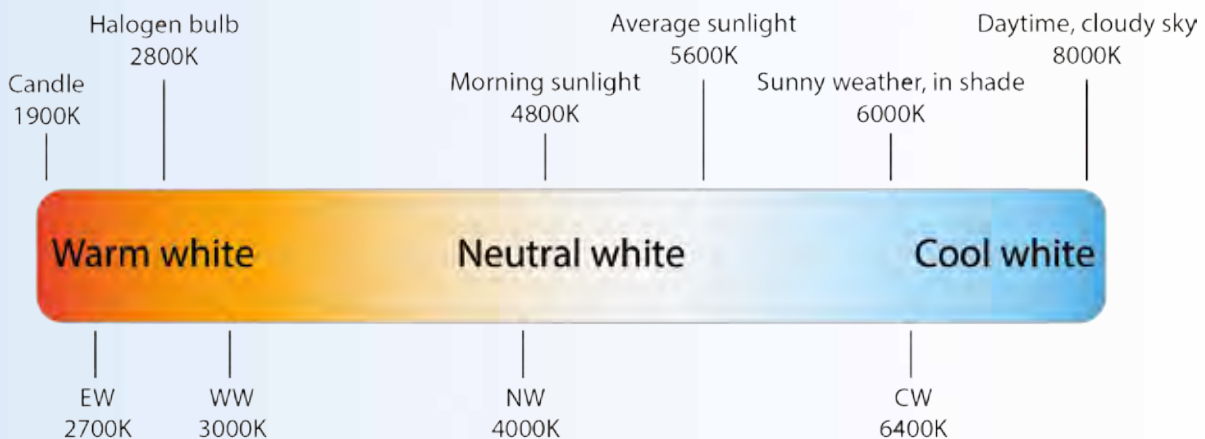
globe P17948	mini globe P18020	candle P18006	GU10 spot P18044
<b>V</b> 230 V color temp.	<b>V</b> 230 V color temp.	<b>V</b> 230 V color temp.	<b>V</b> 230 V color temp.
<b>W</b> 9 (60) W RGB+W, (2700K)	<b>W</b> 5.5 (40) W RGB+W, (2700K)	<b>W</b> 5.5 (40) W RRGB+W, (2700K)	<b>W</b> 5.5 (40) W RGB+W, (2700K)
<b>lm</b> 806  60 mm	<b>lm</b> 470  45 mm	<b>lm</b> 470  37 mm	<b>lm</b> 350  50 mm
<b>E27</b>  112 mm	<b>E14</b>  82 mm	<b>E14</b>  100 mm	<b>GU10</b>  53 mm

-  LED BUIS LAMPEN
-  LED TUBE LIGHTS
-  LED ROHRLEUCHTEN
-  LAMPES À TUBES À LED



Art.nr.	Product code	Kleur temp.	lumen	Watt	Lengte	vpe
P89389	AB600T8-9W-WW-GL	3000K	850lm	9W	600mm	25
P89204	AB600T8-9W-NW-GL	4000K	900lm	9W	600mm	25
P89440	AB600T8-9W-CW-GL	6400K	950lm	9W	600mm	25
P89402	AB1200T8-18W-WW-GL	3000K	1750lm	18W	1200mm	25
P89228	AB1200T8-18W-NW-GL	4000K	1800lm	18W	1200mm	25
P89464	AB1200T8-18W-CW-GL	6400K	1850lm	18W	1200mm	25
P89426	AB1500T8-24W-WW-GL	3000K	2350lm	24W	1500mm	25
P89242	AB1500T8-24W-NW-GL	4000K	2400lm	24W	1500mm	25
P89488	AB1500T8-24W-CW-GL	6400K	2450lm	24W	1500mm	25

-  220-240V
-  A+ energy class
-  20.000h
-  240°
-  non-dimmable
-  0sec instant full light





LED Werklamp - oplaadbaar - slagvast

LED Workamp - rechargeable - impact resistant

LED Arbeitslampe - Aufladbar - Stossfest

Lampe de travail à LED - rechargeable - resistant aux chocs



LEDLENSER



Type: **iw5R flex**

7  
JAAR  
GARANTIE\*



Art.nr. 80348205

## SPECIFICATIES

### TECHNISCHE GEGEVENS

Breedte [mm]	40 mm
Diepte [mm]	32 mm
Hoogte [mm]	151 mm
Gewicht, incl. batterijen [g]	220 g
Focusfunctie	Neen
Primair materiaal	Kunststof
Secundair materiaal	-
Batterijbehuizing	Neen

### BATTERIJ

Stroombron - Type	Oplaadbare batterij
Batterij - Aantal	1
Batterij - Technologie	Li-ion
Batterij - Type	1x 18.650 - 3,7 V
Batterij - Alternatief	-
Voltage - Totaal [V]	3.7 V
Capaciteit - Totaal [mAh]	2.600 mAh
Energie - Totaal <sup>2</sup> [Wh]	9,6 Wh
Oplaadbaar	Ja
Laadtijd [u]	4 u
UN-nummer	UN 3481
Energie statusindicator	Batterijstatusindicator Laadindicator

### BEHUIZING

Waterdichtheid [IP-klasse]	IP30
Valhoogte - drop test [m]	-
Max. werkdiepte [m]	-
ATEX zone	-
Werktemperatuurbereik [°C]	-10 tot 40°C

### LICHTFUNCTIES

2: High Power - Low Power

### LED

Aantal LEDs	1
Type LED	High Power LED
Kleur LED	Wit
Kleurtemperatuur [K]	5.400 tot 6.600 K
Kleurweergave index (CRI)	80 CRI (Flood / 70 CRI (Spot))

### LICHTWAARDEN

Flood	Boost	High Power	Mid Power	Low Power
Lumen <sup>1</sup> [lm]	-	600 lm	-	250 lm
Reikwijdte <sup>1</sup> [m]	-	-	-	-
Brandtijd <sup>1</sup> [u]	-	2.0 u	-	4.0 u





Spot	Boost	High Power	Mid Power	Low Power
Lumen <sup>1</sup> [lm]	-	-	-	100 lm
Reikwijdte <sup>1</sup> [m]	-	-	-	-
Brandtijd <sup>1</sup> [u]	-	-	-	6.5 u

### SCHAKELAAR

Drukschakelaar - achterop de lamp





-  LED Werklamp - oplaadbaar - slagvast -
-  LED Workamp - rechargeable - impact resistant
-  LED Arbeitslampe - Aufladbar - Stossfest
-  Lampe de travail à LED - rechargeable - resistant aux chocs



**Bluetooth**

**7**  
JAAR  
GARANTIE\*



Type: **iF8R**

Art.nr. 80348202

## SPECIFICATIES

### TECHNISCHE GEGEVENS

Breedte [mm]	307 mm
Diepte [mm]	44 mm
Hoogte [mm]	142 mm
Gewicht, incl. batterijen [g]	1.740 g
Focusfunctie	Neen
Primair materiaal	Aluminium legering
Secundair materiaal	Andere kunststoffen
Batterijbehuizing	Neen

### BATTERIJ

Stroombron - Type	Oplaadbare batterij
Batterij - Aantal	1
Batterij - Technologie	Li-ion
Batterij - Type	3x 21.700 Batterijpack - 3,7 V
Batterij - Alternatief	-
Voltage - Totaal [V]	11,1 V
Capaciteit - Totaal [mAh]	8.000 mAh
Energie - Totaal <sup>2</sup> [Wh]	44,4 Wh
Opladbaar	Ja
Laadtijd [u]	4 u
UN-nummer	UN 3481
Energie statusindicator	Batterijstatusindicator tor Laadindicator

### BEHUIZING

Waterdichtheid [IP-klasse]	IP54
Valhoogte - drop test [m]	1 m
Max. werkdiepte [m]	-
ATEX zone	-
Werktemperatuurbereik [°C]	-10 tot 40°C

### LICHTFUNCTIES

3: High Power - Mid Power - Low Power

### LED

Aantal LEDs	1
Type LED	Xtreme LED
Kleur LED	Wit
Kleurtemperatuur [K]	5.400 tot 6.600 K
Kleurweergave index (CRI)	80 CRI

### LICHTWAARDEN

Flood	Boost	High Power	Mid Power	Low Power
Lumen <sup>1</sup> [lm]	-	4.500 lm	2.000 lm	400 lm
Reikwijdte <sup>1</sup> [m]	-	-	-	-
Brandtijd <sup>1</sup> [u]	-	1,25 u	2,5 u	12 u

Spot	Boost	High Power	Mid Power	Low Power
Lumen <sup>1</sup> [lm]	-	-	-	-
Reikwijdte <sup>1</sup> [m]	-	-	-	-
Brandtijd <sup>1</sup> [u]	-	-	-	-

### SCHAKELAAR

**Multifunctioneel** - met meerdere bedieningsfuncties

### KENMERKEN

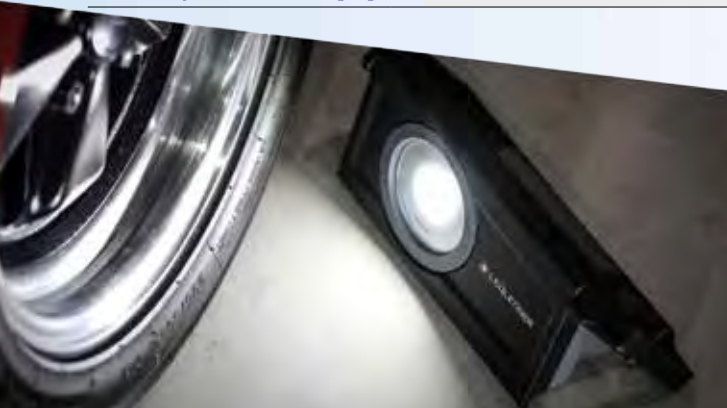
**Dimbaar** - met 5 verschillende helderheden

**Bluetooth** - bediening op afstand dankzij de app

### TECHNOLOGIE

**Powerbank-functie** - kan ook gebruikt worden om per USB andere apparaten zoals een smartphone te laden

**Cooling Technology** - incl. koelement om overhitting te voorkomen





LED Werklamp - oplaadbaar - slagvast  
 LED Workamp - rechargeable - impact resistant  
 LED Arbeitslampe - Aufladbar - Stossfest  
 Lampe de travail à LED - rechargeable - resistant aux chocs



**7**  
**JAAR**  
**GARANTIE\***

Type: **iF4R**



Art.nr. 80348201

## SPECIFICATIES

### TECHNISCHE GEGEVENS

Breedte [mm]	235 mm
Diepte [mm]	44 mm
Hoogte [mm]	111 mm
Gewicht, incl. batterijen [g]	1.060 g
Focusfunctie	Neen
Primair materiaal	Aluminium legering
Secundair materiaal	Andere kunststoffen
Batterijbehuizing	Neen

### BATTERIJ

Stroombron - Type	Oplaadbare batterij
Batterij - Aantal	1
Batterij - Technologie	Li-ion
Batterij - Type	2x 21.700 Batterijpack - 3,7 V
Batterij - Alternatief	-
Voltage - Totaal [V]	3.7 V
Capaciteit - Totaal [mAh]	4.000 mAh
Energie - Totaal <sup>2</sup> [Wh]	29,6 Wh
Oplaadbaar	Ja
Laadtijd [u]	4 u
UN-nummer	UN 3481
Energie statusindicator	Batterijstatusindicator Laadindicator

### BEHUIZING

Waterdichtheid [IP-klasse]	IP54
Valhoogte - drop test [m]	1 m
Max. werkdiepte [m]	-
ATEX zone	-
Werktemperatuurbereik [°C]	-10 tot 40°C

### LICHTFUNCTIES

3: High Power - Mid Power - Low Power

### LED

Aantal LEDs	1
Type LED	Xtreme LED
Kleur LED	Wit
Kleurtemperatuur [K]	5.400 tot 6.600 K
Kleurweergave index (CRI)	80 CRI

### LICHTWAARDEN

Flood	Boost	High Power	Mid Power	Low Power
Lumen <sup>1</sup> [lm]	-	2.500 lm	1.000 lm	200 lm
Reikwijdte <sup>1</sup> [m]	-	-	-	-
Brandtijd <sup>1</sup> [u]	-	1,3 u	3,0 u	15 u

Spot	Boost	High Power	Mid Power	Low Power
Lumen <sup>1</sup> [lm]	-	-	-	-
Reikwijdte <sup>1</sup> [m]	-	-	-	-
Brandtijd <sup>1</sup> [u]	-	-	-	-

### SCHAKELAAR

**Multifunctioneel** - met meerdere bedieningsfuncties

### KENMERKEN

**Dimbaar** - met 5 verschillende helderheden

### TECHNOLOGIE

**Powerbank-functie** - kan ook gebruikt worden om per USB andere apparaten zoals een smartphone te laden

**Cooling Technology** - incl. koelement om overhitting te voorkomen





LED Werklamp - oplaadbaar - slagvast  
 LED Workamp - rechargeable - impact resistant  
 LED Arbeitslampe - Aufladbar - Stossfest  
 Lampe de travail à LED - rechargeable - resistant aux chocs



**LEDLENSER**



**7**  
**JAAR**  
**GARANTIE\***

Type: **iF7R**



Art.nr. 80348206

## SPECIFICATIES

### TECHNISCHE GEGEVENS

Breedte [mm]	46 mm
Diepte [mm]	40 mm
Hoogte [mm]	202 mm
Gewicht, incl. batterijen [g]	165 g
Focusfunctie	Neen
Primair materiaal	Aluminium legering
Secundair materiaal	Andere kunststoffen
Batterijbehuizing	Neen

### BATTERIJ

Stroombron - Type	Oplaadbare batterij
Batterij - Aantal	1
Batterij - Technologie	Li-ion
Batterij - Type	1x 18.650 - 3,7 V
Batterij - Alternatief	-
Voltage - Totaal [V]	3.7 V
Capaciteit - Totaal [mAh]	2.600 mAh
Energie - Totaal <sup>2</sup> [Wh]	9,6 Wh
Oplaadbaar	Ja
Laadtijd [u]	4 u
UN-nummer	UN 3481
Energie statusindicator	Batterijstatusindica tor Laadindicator

### BEHUIZING

Waterdichtheid [IP-klasse]	IP54
Valhoogte - drop test [m]	1 m
Max. werkdiepte [m]	-
ATEX zone	-
Werktemperatuurbereik [°C]	-10 tot 40°C

### LICHTFUNCTIES

3: High Power - Low Power

### LED

Aantal LEDs	1
Type LED	High Power LED
Kleur LED	Wit
Kleurtemperatuur [K]	5.400 tot 6.600 K
Kleurweergave index (CRI)	80 CRI (Flood / 70 CRI (Spot))

### LICHTWAARDEN

Flood	Boost	High Power	Mid Power	Low Power
Lumen <sup>1</sup> [lm]	-	600 lm	-	250 lm
Reikwijdte <sup>1</sup> [m]	-	-	-	-
Brandtijd <sup>1</sup> [u]	-	2.0 u	-	4.0 u

Spot	Boost	High Power	Mid Power	Low Power
Lumen <sup>1</sup> [lm]	-	-	-	300 lm
Reikwijdte <sup>1</sup> [m]	-	-	-	-
Brandtijd <sup>1</sup> [u]	-	-	-	3.0 u

### SCHAKELAAR

**Drukschakelaar** - achterop de lamp



- Looplamp voor E27 lampen
- Handlamp for incandelecent E27 lamps
- Handlampe für Standart E27 Glühbirnen
- Baladeuse de lampes E27 incandescente



VL.036

- 12 / 24 / 48 / 230 V
- max 60 W
- 8 mtr
- E27
- 



- TL Looplampen - slagvast
- Handlamps for fluorescent lamps - impact resistant
- Rohrhandlampen - Stossfest Baladeuse
- fluorescente - resistant aux chocs

IP 20  
CE



VL.032

- 12 V 400 mm
- 8 W PVC
- 5 mtr.



VL.212060

- 230 V 400 mm
- 8 W PVC
- 5 mtr.



VL.033

- 230 V 400 mm
- 8 W PVC
- 5 mtr.

- Gevarendriehoek
- Warning triangle
- Warndreieck
- Triangle de présignalisation

VL.042



- Veiligheidsvest
- Safety vest
- Sicherheitsveste
- Gilet de sécurité

VL.041



EN 471

- Reflectoren
- Reflectors
- Reflektoren
- Réflecteurs

plakuitvoering + 2 x schroefbev. Ø 4.8mm  
adhesive tape + 2 screw holes Ø 4.8 mm  
Selbstklebefolie + 2 schraublöchern Ø 4.8 mm  
avec feuille autocollante + 2 trous de vis Ø 4.8mm

plakuitvoering + 1 x schroefbevestiging Ø 4.8 mm  
adhesive tape + 1 screw holes Ø 4.8 mm  
Selbstklebefolie + 1 schraublöchern Ø 4.8 mm  
avec feuille autocollante + 1 trous de vis Ø 4.8 mm



VL.006

Ø 6.0 mm

- 159 mm
- PMMA
- 



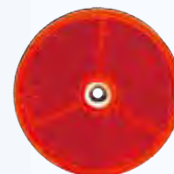
- 95 x 44 mm
- PMMA



- 95 x 44 mm
- PMMA



- 95 x 44 mm
- PMMA



- 60 mm
- PMMA



- 60 mm
- PMMA



- 60 mm
- PMMA



# mato

# 23



Batterijen / Minicellen



Batteries / Button cells



Batterien / Knopf batterien



Piles / Boutons



**DURACELL®**  
**Camelion®**



-  Batterijen - Alkaline
-  Batteries - Alkaline
-  Batterien - Alkali-Mangan
-  Piles - Alcalin



**LR03 LP AAA**  
1.5V - 1175 mAh  
45 x 11 x 11 mm - bls4 [10](#)



**LR6 LP AA**  
1.5V - 2700mAh  
51 x 15 x 15 mm - bls4 [20](#)



**LR14 LP C**  
1.5V - 7750 mAh  
50 x 26 x 26 mm - bls2 [10](#)



**LR20 LP D**  
1.5V - 18000 mAh  
61 x 33 x 33 mm - bls2 [10](#)



**3LR12 LP**  
4.5V - 1175 mAh  
45 x 11 x 11 mm - bls1



**6LR61 LP**  
9V - 550 mAh  
49 x 27 x 18 mm - bls1 [10](#)



**LR1**  
1.5V - 880 mAh  
12 x 30.2 mm - bls1 [10](#)

-  Batterijen - Alkaline
-  Batteries - Alkaline
-  Batterien - Alkali-Mangan
-  Piles - Alcalin



**3410324 - LR03/AAA**  
1.5V - 1175 mAh  
87 x 55 x 35 mm - 24 stuks



**3410624 - LR6/AA**  
1.5V - 2700 mAh  
100 x 80 x 80 mm - 24 stuks



-  Batterijen - Zinkchloride
-  Batteries - Zinc chloride
-  Batterien - Zinkchlorid
-  Piles - Chlorure de zinc



**4R25-X**  
6V - 7500 mAh  
115 x 67 x 67 mm [1](#)

-  Batterijen - Zinkcarbon
-  Batteries - Zinc carbon
-  Batterien - Zinkkohlenstoff
-  Piles - Carbone de zinc



**4R25-2**  
6V - 19000 mAh  
136.5 x 73 x 127 mm [1](#)

-  Batterijen - Lithium
-  Batteries - Lithium
-  Batterien - Lithium
-  Piles - Lithium



**CR123A V**  
3V- 1500 mAh  
Ø 17.0 - H 34.5 bls1 1



**CR2 V**  
3V- 850 mAh  
Ø 15.6 - H 27.0 bls1 1







**2CR5 V**  
6V- 1500 mAh  
34.0 x 17.0 x 45.0 bls1 1



**CR1/2AA**  
3V- 700 mAh  
24.9 x 14.45 bls1 1



**V28PXL**  
6V - 1700mAh  
25.1 - H 13.0 mm bls1 1

-  Mini cellen Lithium - 3V
-  Lithium button cells - 3V
-  Lithium Knopf batterien - 3V
-  Boutons - Lithium - 3V



**CR1025**  
3 V - 25 mAh  
Ø 10.0 - H 2.5 mm  
bls1 - 10



**CR1216**  
3 V - 25 mAh  
Ø 12.5 - H 1.6 mm  
bls1 - 10



**CR1220**  
3 V - 35 mAh  
Ø 12.5 - H 2.0 mm  
bls1 - 10



**CR1225**  
3 V - 65 mAh  
Ø 12.0 - H 2.5 mm  
bls1 - 10



**CR1616**  
3 V - 55 mAh  
Ø 16.0 - H 1.6 mm  
bls1 - 10



**CR1620**  
3 V - 70 mAh  
Ø 16.0 - H 2.0 mm  
bls1 - 10



**CR1632**  
3 V - 125 mAh  
Ø 16.0 - H 2.0 mm  
bls1 - 10



**CR2012**  
3 V - 125 mAh  
Ø 20.0 - H 1.2 mm  
bls1 - 10



**CR2016**  
3 V - 90 mAh  
Ø 20.0 - H 1.6 mm  
bls1 - 10



**CR2025**  
3 V - 165 mAh  
Ø 20.0 - H 2.5 mm  
bls1 - 10



**CR2032**  
3 V - 230 mAh  
Ø 20.0 - H 3.2 mm  
bls1 - 10



**CR2320**  
3 V - 280 mAh  
Ø 23.0 - H 2.0 mm  
bls1 - 10



**CR2354**  
3 V - 280 mAh  
Ø 23.0 - H 5.4 mm bls1 - 10







**CR2430**  
3 V - 280 mAh  
Ø 24.5 - H 3.0 mm bls1 - 10



**CR2450**  
3 V - 560 mAh  
Ø 24.5 - H 5.0 mm bls1 - 10



**CR2477**  
3 V - 560 mAh  
Ø 24.0 - H 7.7 mm bls1 - 10

-  Mini cellen Alkaline
-  Alkaline button cells
-  Alkali-Mangan Knopf batterien
-  Boutons - Alcalin



<b>V10GA</b> LR54 1.5V - 50 mA Ø 11.6 - H 3.05 mm bls1 - 10	<b>V12GA</b> LR43 1.5V - 80 mA Ø 11.6 - H 4.02 mm bls1 - 10	<b>V13GA</b> LR44 1.5V - 125 mA Ø 11.6 - H 5.04 mm bls1 - 10	<b>V625U</b> LR9 1.5V - 200 mA Ø 15.5 - H 6.1 mm bls1 - 10	<b>V11A</b> LR11 6V - 38 mA Ø 10.2 - H 16.5 mm bls1 - 10
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**V4034PX**  
4LR44 6V - 105 mA  
Ø 13.0 - H 15.2 mm  
bls1 - 10



**V27A**  
12V - 20 mA  
Ø 8.0 - H 28.2 mm  
bls1 - 10







**VG23A**  
12V - 50 mA  
Ø 10.3 - H 28.5 mm  
bls1 - 10

-  Batterijen - Oplaadbaar Ni-MH
-  Batteries - Alkaline
-  Batterien - Alkali-Mangan
-  Piles - Alcalin



<b>HR03 AAA</b> 1.5V - 800 mA 45 x 11 x 11 mm - bls4 1	<b>HR6 AA</b> 1.5V - 2100mAh 51 x 15 x 15 mm - bls4 1	<b>HR14 C</b> 1.5V - 3000 mAh 50 x 26 x 26 mm - bls2 1	<b>HR20 D</b> 1.5V - 3000 mAh 61 x 33 x 33 mm - bls2 1	<b>6HR61</b> 9V - 550 mAh 49 x 27 x 18 mm - bls1 1
--	---	--	--	--

-  Mini cellen Lithium - 3V
-  Lithium button cells - 3V
-  Lithium Knopf batterien -
-  3V Boutons - Lithium - 3V



<b>DL1616</b> 3 V - 55 mA Ø 16.0 - H 1.6mm bls1 - 10	<b>DL1620</b> 3 V - 70 mA Ø 16.0 - H 2.0mm bls1 - 10	<b>DL2016</b> 3 V - 90 mA Ø 20.0 - H 1.6mm bls1 - 10	<b>DL2025</b> 3 V - 165 mA Ø 20.0 - H 2.5 mm bls1 - 10	<b>DL2032</b> 3 V - 230 mA Ø 20.0 - H 3.2mm bls1 - 10	<b>CR2</b> 3V - 850 mA Ø 15.6 - H 27.0mm bls1 1	<b>CR123A</b> 3V - 1600 mA Ø 17.0 - H 34.5mm bls1 1
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-  Batterijen - Alkaline
-  Batteries - Alkaline
-  Batterien - Alkali-Mangan
-  Piles - Alcalin

# PROCELL®

PROFESSIONAL BATTERIES



**82400** - LR03/AAA  
1.5V - 1175 mAh 45 x  
11 x 11 mm [10](#)

**81500** - LR6/AA  
1.5V - 2700 mAh 51  
x 15 x 15 mm [10](#)

**81604** - 6LR61  
9V - 550 mAh  
49 x 27 x 18 mm [10](#)



**81400** - LR14/C  
1.5V - 7750 mAh  
50 x 26 x 26 mm [10](#)

**81300** - LR20/D  
1.5V - 18000 mAh  
61 x 33 x 33 mm [10](#)

-  Batterijen - Alkaline
-  Batteries - Alkaline
-  Batterien - Alkali-Mangan
-  Piles - Alcalin

# DURACELL® Duracell Plus Power Alkaline



**3240** - LR03/AAA  
1.5V - 1175 mAh  
45 x 11 x 11 mm - bls4 [10](#)

**3150** - LR6/AA  
1.5V - 2700mAh  
51 x 15 x 15 mm - bls4 [20](#)

**3140** - LR14/C  
1.5V - 7750 mAh  
50 x 26 x 26 mm - bls2 [10](#)

**3130** - LR20/D  
1.5V - 18000 mAh  
61 x 33 x 33 mm - bls2 [10](#)







**3160** - 6LR61  
9V - 550 mAh  
49 x 27 x 18 mm - bls1 [10](#)

**3071** - LR1/MN9100  
1.5V - 880 mAh  
54 x 46 x 23 mm - bls2 [10](#)

**3074** - MN27  
12V - 550 mAh  
28.2 x 8 x 8 mm - bls1 [10](#)

**3250** - AAAA  
1.5V - 550 mAh  
41 x 8 x 8 mm - bls2 [10](#)

-  Mini cellen Lithium - 3V
-  Lithium button cells - 3V
-  Lithium Knopf batterien -
-  3V Boutons - Lithium - 3V

**Camelion**  
... for more energy



**CR1616 C**  
3 V - 55 mA  
Ø 16.0 - H 1.6 mm  
bls1 - 10



**CR1620 C**  
3 V - 70 mA  
Ø 16.0 - H 2.0 mm  
bls1 - 10



**CR1632 C**  
3 V - 125 mA  
Ø 16.0 - H 2.0 mm  
bls1 - 10



**CR2016 C**  
3 V - 90 mA  
Ø 20.0 - H 1.6 mm  
bls1 - 10







**CR2025 C**  
3 V - 165 mA  
Ø 20.0 - H 2.5 mm  
bls1 - 10



**CR2032 C**  
3 V - 230 mA  
Ø 20.0 - H 3.2 mm  
bls1 - 10



**CR2477 C**  
3 V - 560 mA  
24.0 - H 7.7 mm  
bls1 - 10

-  Mini cellen alkaline
-  Alkaline button cells
-  Alkali/Mangan Knopf batterien
-  Alcalin Bouton



**23A** 12V - 145 mA  
Ø 10.3 - H 28.5 mm  
bls1 - 10



**11A** 6V - 145 mA  
Ø 13.0 - H 25.2 mm  
bls1 - 10

-  Werklampen / Zaklantaarns
-  Working lights / Torches
-  Arbeitsleuchten / Taschenlampen
-  Éclairage de travail / Lampes de poche



**30700033**  
10W LED - 200 mtr.  
LED life time up to  
100.000 hours  
3 x LR14 C batteries  
(not included)  
L 242 x H 39 mm  
bls1



**30710003**  
HEADLIGHT 5 LED.  
LED life time up to  
100.000 hours  
3 x LR03 AAAA batteries  
(included)  
B55 x L35 x H42 mm  
bls1



**30700017**  
24 LED,  
LED life time up  
to 100.000 hours  
3 x R6 AA  
batteries (not  
included)  
L 273 x H 32 mm  
bls1

Bevestigings Producten

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***mato***



 Bevestigings materiaal

 Fasteners

 Verschlüsse

 Attaches

[www.fmautomotive.nl](http://www.fmautomotive.nl)





# LEDsafety

# 25



Alternative verpakkingen



Alternative packaging



Alternative Verpackung



Emballage alternatif



# Producten in afwijkende verpakking

Onze producten worden in de hele wereld geproduceerd en daarna bij ons opgeslagen.

Over het algemeen worden onze producten marktconform verpakt, maar door verandering van courantheid kan er behoefte ontstaan in afwijkende hoeveelheden per verpakking.

Bestellingen voor private label en klant-specifieke verpakking worden door ons intern of extern omgepakt, waardoor u kunt profiteren van korte levertijden.



Afwijkende verpakkingen zijn in principe voor ieder product mogelijk, afhankelijk van afname.  
Voor meer informatie kunt u contact opnemen.





**LED**safety

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# IP (Ingress Protection) Ratings Guide

## SOLIDS

1



Protected against a solid object greater than 50 mm such as a hand.

2



Protected against a solid object greater than 12.5 mm such as a finger.

3



Protected against a solid object greater than 2.5 mm such as a screwdriver.

4



Protected against a solid object greater than 1 mm such as a wire.

5



Dust Protected. Limited Ingress of dust permitted. Will not interfere with operation of the equipment. Two to eight hours.

6



Dust tight. No Ingress of dust. Two to eight hours.

Rating Example:

**IP65-**

INGRESS PROTECTION 1

## WATER

1



Protected against vertically falling drops of water. Limited ingress permitted.

2



Protected against vertically falling drops of water with enclosure tilted up to 15 degrees from the vertical. Limited ingress permitted.

3



Protected against sprays of water up to 60 degrees from the vertical. Limited ingress permitted for three minutes.

4



Protected against water splashed from all directions. Limited ingress permitted.

5



Protected against jets of water. Limited ingress permitted.

6



Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities.

7



Protection against the effects of immersion in water between, 15 cm and 1 m for 30 minutes.

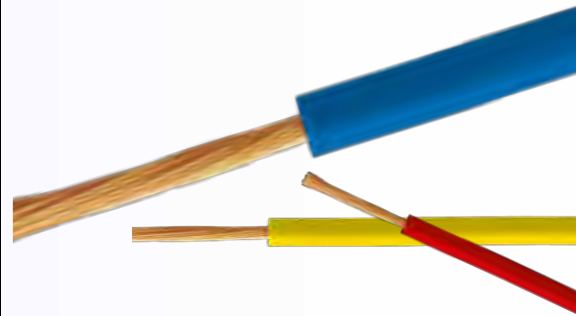
8



Protection against the effects of immersion in water under pressure for long periods.

# Conversie tabel AWG naar mm2

AWG	mm2	d [mm]	A [mm <sup>2</sup> ]
0000 (-3)	120	11,6839	107,2172
000 (-2)	95	10,4048	85,0279
00 (-1)	70	9,2658	67,4308
0	70	8,2515	53,4756
1	50	7,3482	42,4085
2	35	6,5438	33,6318
3	35	5,8275	26,6715
4	25	5,1895	21,1516
5	25	4,6214	16,7742
6	16	4,1155	13,3027
7	16	3,665	10,5496
8	10	3,2638	8,3663
9	10	2,9065	6,6348
10	6	2,5883	5,2617
11	6	2,305	4,1728
12	4	2,0527	3,3092
13	4	1,8279	2,6243
14	2,5	1,6278	2,0812
15	2	1,4496	1,6505
16	1,5	1,291	1,3089
17	1	1,1496	1,038
18	0,75	1,0238	0,8232
19	0,75	0,9117	0,6528
20	0,5	0,8119	0,5177
21	0,5	0,723	0,4106
22	0,34	0,6439	0,3256
23	0,25	0,5734	0,2582
24	0,25	0,5106	0,2048
25	0,2	0,4547	0,1624
26	0,14	0,4049	0,1288
27	0,1	0,3606	0,1021
28	0,08	0,3211	0,081
29	0,06	0,2859	0,06422
30	0,05	0,2546	0,05093
31	0,04	0,2268	0,04039
32	0,03	0,2019	0,03203
33	0,025	0,1798	0,0254
34	0,02	0,1601	0,02014
35	0,015	0,1426	0,01597
36	0,012	0,127	0,01267
37	0,01	0,1131	0,01005
38	0,008	0,1007	0,00797
39	0,005	0,0897	0,00632
40	0,005	0,0799	0,00501





## Stroombelastbaarheid afhankelijk van de kabeldoorsnede

Richtwaarden voor stroombelastbaarheid met verschillende aders:

AWG Nr.	Kabeldoorsnede (mm <sup>2</sup> )	Stroombelastbaarheid in A				
		1 Ader	2-3 Aders	4-6 Aders	7-24 Aders	25-42 Aders
24	0,21	3,5	2	1,6	1,4	1,2
22	0,33	5	3	2,4	2,1	1,8
20	0,54	6	5	4	3,5	3
18	0,82	9,5	7	5,6	4,9	4,2
16	1,31	20	10	8	7	6
14	2,15	24	15	12	10,5	9
12	3,4	34	20	16	14	12
10	5,3	52	30	24	21	18
8	8,4	75	40	32	28	24
6	13,4	95	55	44	38	33
4	21,2	120	70	56	49	42
3	26,7	154	80	64	56	48
2	33,6	170	95	76	66	57
1	42,4	180	110	88	77	66



Houd er rekening mee dat het huidige belastbaarheid bij hogere temperaturen afneemt. Bij gebruik van kabels onder speciale omstandigheden kunnen deze waarden aanzienlijk afwijken. Neem bij twijfel contact met ons op. Wij adviseren u graag.





*Diverse van onze producten zijn getest tijdens de zwaarste rally: Le Dakar 2020*





# ***mato***



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