

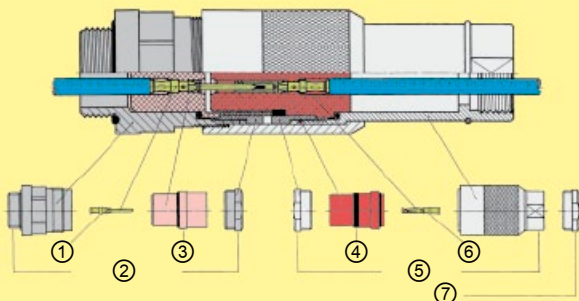
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R 15

## Features

### Mounting example

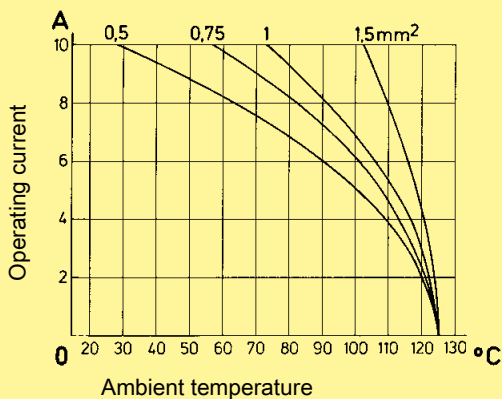


- ① Male contact
- ② Housings screw mounting
- ③ Male insert (M)
- ④ Female insert (F)
- ⑤ Hoods
- ⑥ Female contact
- ⑦ Cable seal

### Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques according to DIN EN 60 512-5



## Technical characteristics

Specifications	DIN EN 60 664-1 DIN EN 61 984
Approvals	

### Inserts

Number of contacts	7 + PE
Electrical data acc. to EN 61 984	<b>10 A 250 V 4 kV 3</b>
Rated current	10 A
Rated voltage	250 V
Rated impulse voltage	4 kV
Pollution degree	3
Rated voltage acc. to UL/CSA	600 V
Insulation resistance	$\geq 10^{10} \Omega$
Material	polyamide
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	HB
Mechanical working life - mating cycles	$\geq 500$

### Contacts

Material	copper alloy
Surface	
- hard-silver plated	3 $\mu\text{m}$ Ag
- hard-gold plated	2 $\mu\text{m}$ Au over 3 $\mu\text{m}$ Ni
Contact resistance	$\leq 3 \text{ m}\Omega$
Crimp terminal	
- Wire gauge <sup>1)</sup>	0.14 ... 2.5 mm <sup>2</sup>
- AWG	26 ... 14

### Hoods/Housings

Material	polycarbonate aluminium die-cast zinc die-cast
Hoods/Housings sealing	NBR
Limiting temperatures	-40 °C ... +125 °C
Degree of protection acc. to DIN 40 050 for coupled connector	IP 65

### Accessories



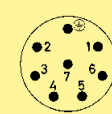

Crimping tools	chapter 99
Cable clamps	chapter 40
Label acc. to CSA-approval	chapter 40

<sup>1)</sup> geometric wire gauge

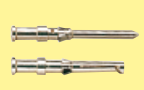
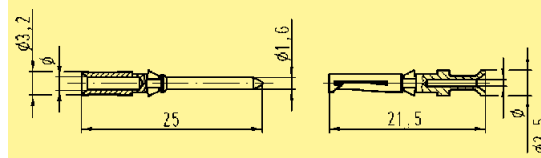


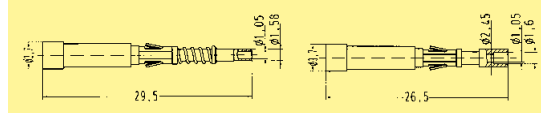
Number of contacts

7 +



Identification	Series	Part number		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
<b>Crimp terminal</b> Inserts for plastic hoods/housings Order crimp contacts separately 	R 15	09 15 007 3001	09 15 007 3101	Contact arrangement (view from termination side) Male insert (M)  Female insert (F) 	
Inserts for metal hoods/housings Order crimp contacts separately 	R 15	09 15 007 3021	09 15 007 3121		

R 15

Identification	Wire gauge (mm <sup>2</sup> )	Part number		Drawing	Dimensions in mm																												
		Male contacts	Female contacts																														
<b>Crimp contacts</b> silver plated 	0.14-0.37 0.5 0.75 1 1.5 2.5	<b>09 15 000 6104</b> <b>09 15 000 6103</b> <b>09 15 000 6105</b> <b>09 15 000 6102</b> <b>09 15 000 6101</b> <b>09 15 000 6106</b>	<b>09 15 000 6204</b> <b>09 15 000 6203</b> <b>09 15 000 6205</b> <b>09 15 000 6202</b> <b>09 15 000 6201</b> <b>09 15 000 6206</b>																														
gold plated 	0.14-0.37 0.5 0.75 1 1.5 2.5	<b>09 15 000 6124</b> <b>09 15 000 6123</b> <b>09 15 000 6125</b> <b>09 15 000 6122</b> <b>09 15 000 6121</b> <b>09 15 000 6126</b>	<b>09 15 000 6224</b> <b>09 15 000 6223</b> <b>09 15 000 6225</b> <b>09 15 000 6222</b> <b>09 15 000 6221</b> <b>09 15 000 6226</b>	<table border="1"> <thead> <tr> <th colspan="2">Wire gauge</th> <th>Ø</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm<sup>2</sup></td> <td>AWG 26-22</td> <td>0.9 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup></td> <td>AWG 20</td> <td>1.1 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup></td> <td>AWG 18</td> <td>1.3 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm<sup>2</sup></td> <td>AWG 18</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm<sup>2</sup></td> <td>AWG 16</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm<sup>2</sup></td> <td>AWG 14</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Wire gauge		Ø	Stripping length	0.14-0.37 mm <sup>2</sup>	AWG 26-22	0.9 mm	8 mm	0.5 mm <sup>2</sup>	AWG 20	1.1 mm	8 mm	0.75 mm <sup>2</sup>	AWG 18	1.3 mm	8 mm	1 mm <sup>2</sup>	AWG 18	1.45 mm	8 mm	1.5 mm <sup>2</sup>	AWG 16	1.75 mm	8 mm	2.5 mm <sup>2</sup>	AWG 14	2.25 mm	6 mm	
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<b>F.O. contacts</b> for 1 mm plastic fibre 		<b>20 10 001 3211</b>	<b>20 10 001 3221</b>																														

10  
03

Stock items in bold type

Identification	Part number		Drawing	Dimensions in mm					
	Thermoplastic	Metal							
Hoods	09 15 000 0401 19 15 000 0401		Pg 11 M 16						
		09 15 000 0421	Pg 11	 <table border="1"> <tr> <td></td> <td>M</td> <td>Pg</td> </tr> <tr> <td>a</td> <td>16</td> <td>11</td> </tr> </table>		M	Pg	a	16
	M	Pg							
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Identification	Part number		Drawing	Dimensions in mm					
Thermoplastic	Metal								
Housings bulkhead mounting	09 15 000 0301								
R 15 Housings screw mounting	09 15 000 0101	09 15 000 0121							
Housings angled	09 15 000 0102	09 15 000 0122							
Cover screw mounting	09 15 000 5401								
Mounting example									
R 15 insert fixing screw (for replacement)	09 15 000 9905	09 15 000 9921							