

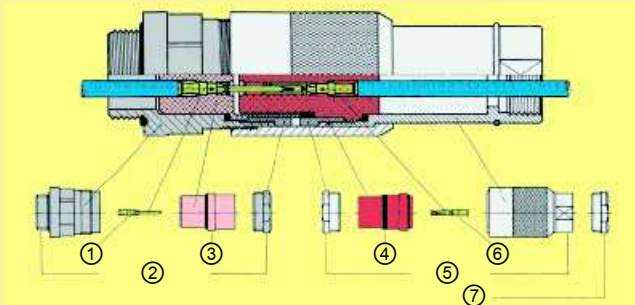
Contents

Page

Technical characteristics R 15	10.02
Inserts R 15	10.03
Hoods/Housings R 15	10.04

Features

Mounting example

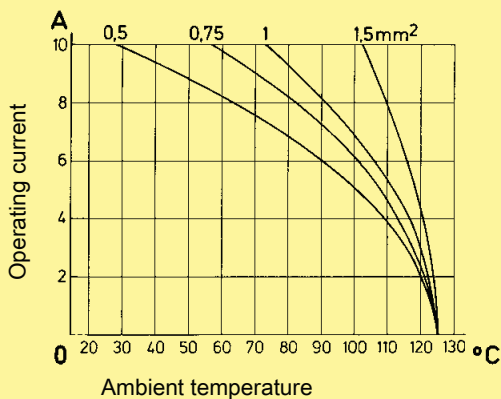


- ① Male contact
- ② Housings screw mounting
- ③ Male insert (M)
- ④ Female insert (F)
- ⑤ Hoods
- ⑥ Female contact
- ⑦ Cable seal

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




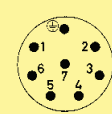
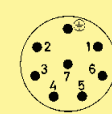

Technical characteristics

Specifications	DIN EN 60 664-1 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	7 + PE
Electrical data acc. to EN 61 984	10 A 250 V 4 kV 3
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	≥ 500
Contacts	
Material	copper alloy
Surface	- hard-silver plated 3 μm Ag - hard-gold plated 2 μm Au over 3 μm Ni
Contact resistance	$\leq 3 \text{ m}\Omega$
Crimp terminal	
- Wire gauge ¹⁾	0.14 ... 2.5 mm ²
- 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


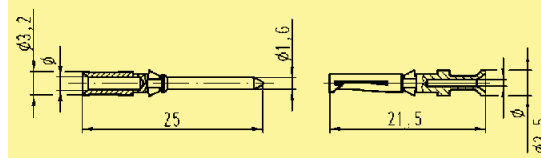


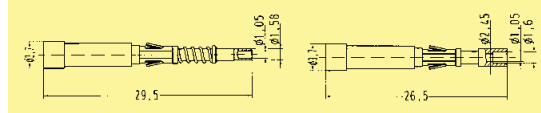
Number of contacts

7 +



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

R 15

Identification	Wire gauge (mm ²)	Part number		Drawing	Dimensions in mm
		Male contacts	Female contacts		
<p>Crimp contacts</p> <p>silver plated</p> 	0.14-0.37 0.5 0.75 1 1.5 2.5	09 15 000 6104 09 15 000 6103 09 15 000 6105 09 15 000 6102 09 15 000 6101 09 15 000 6106	09 15 000 6204 09 15 000 6203 09 15 000 6205 09 15 000 6202 09 15 000 6201 09 15 000 6206		
<p>gold plated</p> 	0.14-0.37 0.5 0.75 1 1.5 2.5	09 15 000 6124 09 15 000 6123 09 15 000 6125 09 15 000 6122 09 15 000 6121 09 15 000 6126	09 15 000 6224 09 15 000 6223 09 15 000 6225 09 15 000 6222 09 15 000 6221 09 15 000 6226		
<p>F.O. contacts for 1 mm plastic fibre</p> 		20 10 001 3211	20 10 001 3221		

Wire gauge		Ø	Stripping length
0.14-0.37 mm ²	AWG 26-22	0.9 mm	8 mm
0.5 mm ²	AWG 20	1.1 mm	8 mm
0.75 mm ²	AWG 18	1.3 mm	8 mm
1 mm ²	AWG 18	1.45 mm	8 mm
1.5 mm ²	AWG 16	1.75 mm	8 mm
2.5 mm ²	AWG 14	2.25 mm	6 mm

10
03

Stock items in bold type

Identification	Part number		Drawing	Dimensions in mm						
	Thermoplastic	Metal								
Hoods	09 15 000 0401		Pg 11							
	19 15 000 0401				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	11
	M	Pg								
a	16	11								
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								