

**R 15**

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## Specifications

DIN VDE 0627  
DIN VDE 0110  
DIN EN 61984

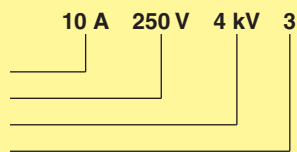
## Approvals



## Inserts

Number of contacts 7 + PE

Electrical data  
acc. to DIN EN 61984



Working current  
Working voltage  
Rated impulse voltage  
Pollution degree

Working voltage  
acc. to UL/CSA 600 V

Insulation resistance  $\geq 10^{10} \Omega$   
Material Polyamide  
Limiting temperatures  $-40^{\circ}\text{C} / +125^{\circ}\text{C}$   
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  
-  $\text{mm}^2$   $0.14 - 2.5 \text{ mm}^2$   
- AWG 26 - 14

## Hoods/Housings

Material metal hoods/housings  
thermoplastic resin  
Hoods/Housings seal NBR  
Limiting temperatures  $-40^{\circ}\text{C} / +125^{\circ}\text{C}$   
Degree of protection acc. to DIN 40 050 for coupled connector IP 65

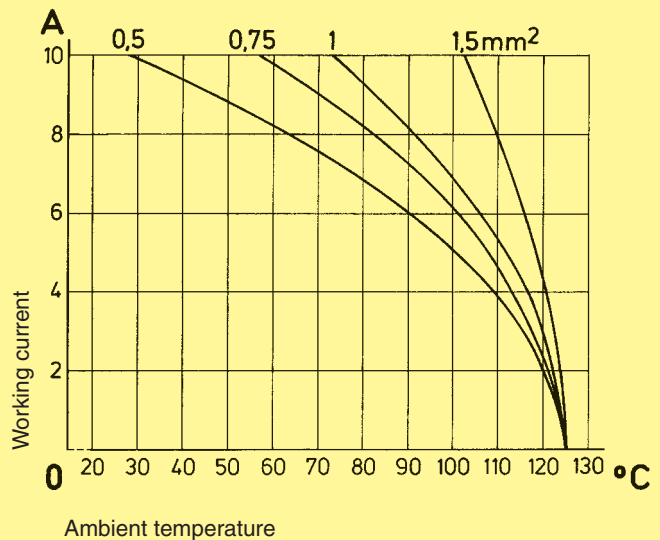
## Accessories

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

## Current carrying capacity

The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity-curve is valid for continuous, not interrupted current-loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

Control and test procedures according to DIN IEC 60512-5.


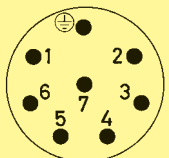

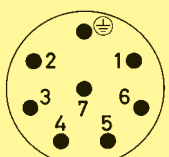
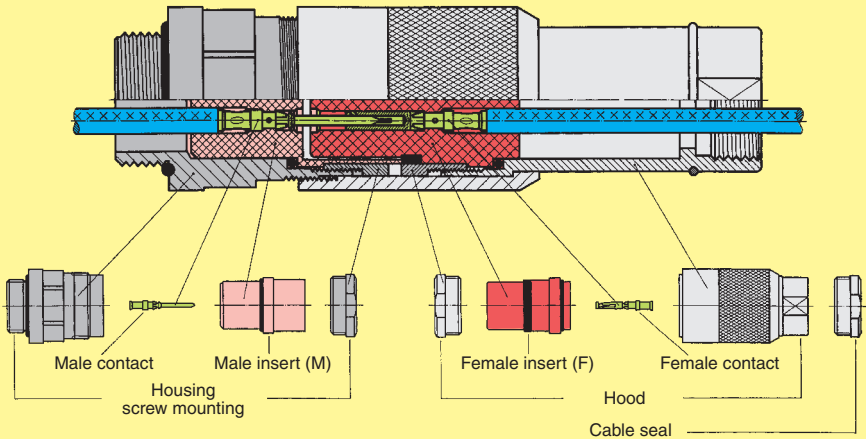


Number of contacts


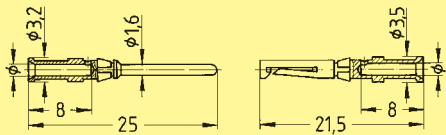

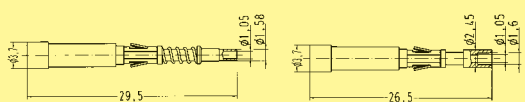

7 +



Inserts


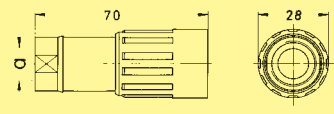

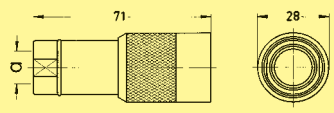

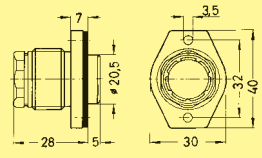

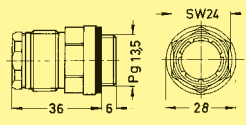


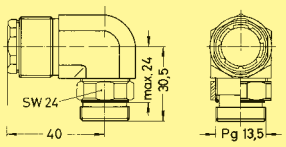


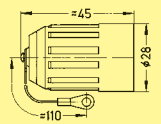
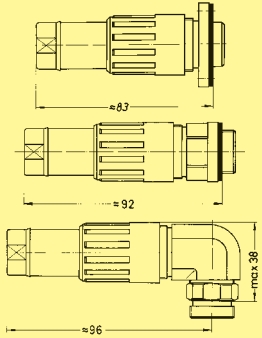
Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
<b>Crimp terminal</b> Inserts for thermo-plastic hoods/housings Order crimp contacts separately 	R 15	<b>09 15 007 3001</b>	<b>09 15 007 3101</b>	Contact arrangement View from termination side Male insert (M) 	
<b>Crimp terminal</b> Inserts for metal hoods/housings Order crimp contacts separately 	R 15	<b>09 15 007 3021</b>	<b>09 15 007 3121</b>	Female insert (F) 	
<b>Mounting example</b> 					

R 15

Identification	Wire gauge (mm <sup>2</sup> )	Part No.		Drawing	Dimensions in mm																												
		Male contacts	Female contacts																														
<b>Crimp contacts</b> silver plated 	0.14-0.37	<b>09 15 000 6104</b>	<b>09 15 000 6204</b>		<table border="1"> <thead> <tr> <th colspan="2">Wire gauge</th> <th>∅</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>0.90 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm<sup>2</sup></td> <td>AWG 20</td> <td>1.10 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm<sup>2</sup></td> <td>AWG 18</td> <td>1.30 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		∅	Stripping length	0.14-0.37 mm <sup>2</sup>	AWG 26-22	0.90 mm	8 mm	0.5 mm <sup>2</sup>	AWG 20	1.10 mm	8 mm	0.75 mm <sup>2</sup>	AWG 18	1.30 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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0.5	<b>09 15 000 6103</b>	<b>09 15 000 6203</b>																															
0.75	<b>09 15 000 6105</b>	<b>09 15 000 6205</b>																															
1.0	<b>09 15 000 6102</b>	<b>09 15 000 6202</b>																															
1.5	<b>09 15 000 6101</b>	<b>09 15 000 6201</b>																															
2.5	<b>09 15 000 6106</b>	<b>09 15 000 6206</b>																															
gold plated 	0.14-0.37	<b>09 15 000 6124</b>	<b>09 15 000 6224</b>																														
	0.5	<b>09 15 000 6123</b>	<b>09 15 000 6223</b>																														
	0.75	<b>09 15 000 6125</b>	<b>09 15 000 6225</b>																														
	1.0	<b>09 15 000 6122</b>	<b>09 15 000 6222</b>																														
	1.5	<b>09 15 000 6121</b>	<b>09 15 000 6221</b>																														
	2.5	<b>09 15 000 6126</b>	<b>09 15 000 6226</b>																														
<b>FOC contacts</b> for 1 mm plastic fibre 		<b>20 10 001 3211</b>	20 10 001 3221																														

10  
11

Stock items in bold type

Identification	Part No.		Drawing	Dimensions in mm					
	thermoplastic	metal							
Hoods		<b>09 15 000 0401</b> 19 15 000 0401	Pg 11 M 16						
		<b>09 15 000 0421</b>	Pg 11	 <table border="1" data-bbox="1125 649 1356 716"> <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							
a	16	11							
Housings bulkhead mounting		<b>09 15 000 0301</b>	—						
Housings screw mounting		09 15 000 0101	—						
		<b>09 15 000 0121</b>	—						
Housings angled		<b>09 15 000 0102</b>	—						
		<b>09 15 000 0122</b>	—						
Cover screw mounting		<b>09 15 000 5401</b>	—						
Mounting example									
R15 insert fixing screw (for replacement)		Plastic <b>09 15 000 9905</b>	Metal <b>09 15 000 9921</b>						

Stock items in bold type