

R 15

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Specifications

DIN VDE 0627
DIN VDE 0110
DIN EN 61 984

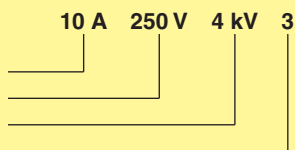
Approvals



Inserts

Number of contacts 7 + PE

Electrical data
acc. to DIN EN 61 984



Working current
Working voltage
Rated impulse voltage
Pollution degree

Working voltage
acc. to UL/CSA

600 V

Insulation resistance
Material
Limiting temperatures
Flammability acc. to UL 94
Mechanical working life
- Mating cycles

$\geq 10^{10} \Omega$
Polyamide
- 40 °C / +125 °C
HB
 ≥ 500

Contacts

Material copper alloy

Surface

- hard-silver plated
- hard-gold plated

3 μm Ag
2 μm Au over 3 μm Ni

Contact resistance

$\leq 3 \text{ m}\Omega$

Crimp terminal

- mm²
- AWG

0.14 - 2.5 mm²
26 - 14

Hoods/Housings

Material

metal hoods/housings
thermoplastic resin

Hoods/Housings seal
Limiting temperatures

NBR
- 40 °C / +125 °C

Degree of protection acc. to DIN
40 050 for coupled connector

IP 65

Accessories

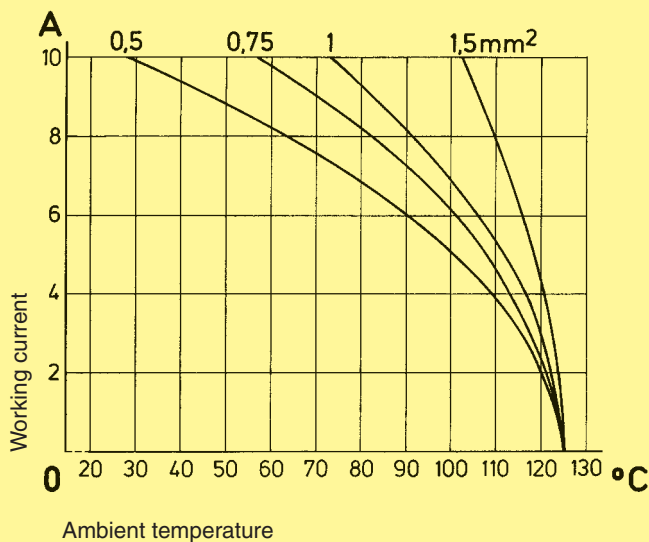
Crimping tools
Cable clamps
Label acc. to CSA-approval

chapter 99
chapter 40
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 60 5 1 2 - 5.



Number of contacts

7 +



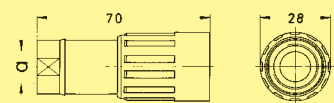
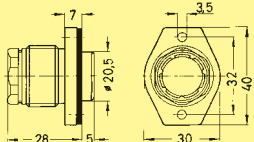
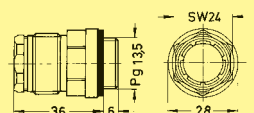
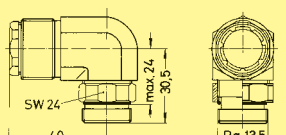
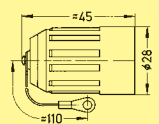
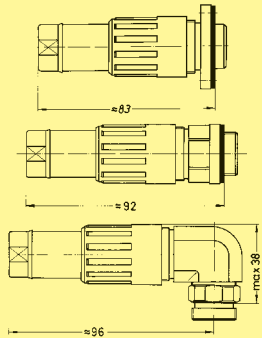
Inserts

Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
Crimp terminal Inserts for thermo-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)	
Crimp terminal Inserts for metal hoods/housings Order crimp contacts separately 	R 15	09 15 007 3021	09 15 007 3121	Female insert (F)	
Mounting example 					

R 15

		Wire gauge	Part No.																															
Identification		(mm²)	Male contacts	Female contacts	Drawing	Dimensions in mm																												
Crimp contacts	silver plated	0.14-0.37	09 15 000 6104	09 15 000 6204																														
		0.5	09 15 000 6103	09 15 000 6203																														
		0.75	09 15 000 6105	09 15 000 6205																														
		1.0	09 15 000 6102	09 15 000 6202																														
		1.5	09 15 000 6101	09 15 000 6201																														
		2.5	09 15 000 6106	09 15 000 6206																														
	gold plated	0.14-0.37	09 15 000 6124	09 15 000 6224	<table><tr><th colspan="2">Wire gauge</th><th>ø</th><th>Stripping length</th></tr><tr><td>0.14-0.37 mm²</td><td>AWG 26-22</td><td>0.90 mm</td><td>8 mm</td></tr><tr><td>0.5 mm²</td><td>AWG 20</td><td>1.10 mm</td><td>8 mm</td></tr><tr><td>0.75 mm²</td><td>AWG 18</td><td>1.30 mm</td><td>8 mm</td></tr><tr><td>1 mm²</td><td>AWG 18</td><td>1.45 mm</td><td>8 mm</td></tr><tr><td>1.5 mm²</td><td>AWG 16</td><td>1.75 mm</td><td>8 mm</td></tr><tr><td>2.5 mm²</td><td>AWG 14</td><td>2.25 mm</td><td>6 mm</td></tr></table>	Wire gauge		ø	Stripping length	0.14-0.37 mm²	AWG 26-22	0.90 mm	8 mm	0.5 mm²	AWG 20	1.10 mm	8 mm	0.75 mm²	AWG 18	1.30 mm	8 mm	1 mm²	AWG 18	1.45 mm	8 mm	1.5 mm²	AWG 16	1.75 mm	8 mm	2.5 mm²	AWG 14	2.25 mm	6 mm	
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0.5	09 15 000 6123	09 15 000 6223																																
0.75	09 15 000 6125	09 15 000 6225																																
1.0	09 15 000 6122	09 15 000 6222																																
1.5	09 15 000 6121	09 15 000 6221																																
2.5	09 15 000 6126	09 15 000 6226																																
FOC contacts	for 1 mm plastic fibre		20 10 001 3211	20 10 001 3221																														

Stock items in bold type

Identification		Part No.		Drawing	Dimensions in mm					
		thermoplastic	metal							
Hoods	Hoods		09 15 000 0401 19 15 000 0401	Pg 11 M 16						
			09 15 000 0421	Pg 11 <table><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								
Housings	Housings bulkhead mounting		09 15 000 0301	—						
	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									
	R15 insert fixing screw (for replacement)		Plastic 09 15 000 9905	Metal 09 15 000 9921						

Stock items in bold type