

R 15

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Technical characteristics R 15

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R 15 Inserts

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R 15 Hoods/Housings

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Specifications

DIN VDE 0627
DIN VDE 0110
DIN EN 61984

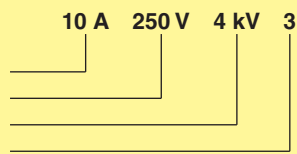
Approvals



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 ≥ 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
- 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

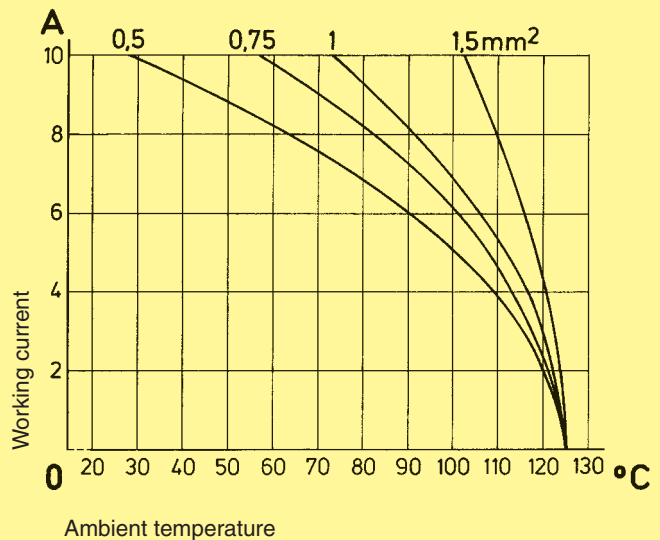
Accessories

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


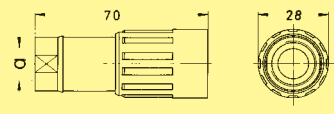

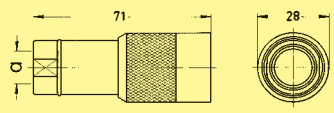

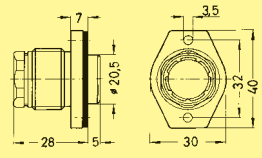

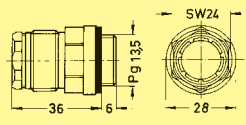


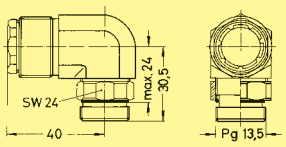


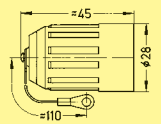
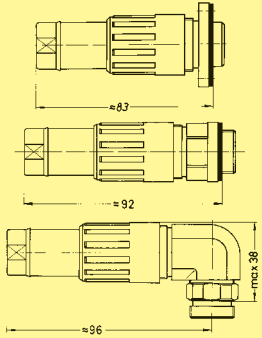
Identification	Series	Part No.		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
Crimp terminal Inserts for thermo-plastic hoods/housings Order crimp contacts separately 	R 15	09 15 007 3001	09 15 007 3101	Contact arrangement View from termination side Male insert (M) 	
Crimp terminal Inserts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

Identification	Wire gauge (mm ²)	Part No.		Drawing	Dimensions in mm																												
		Male contacts	Female contacts																														
Crimp contacts silver plated 	0.14-0.37	09 15 000 6104	09 15 000 6204		<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 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> </tbody> </table>	Wire gauge		∅	Stripping length	0.14-0.37 mm ²	AWG 26-22	0.90 mm	8 mm	0.5 mm ²	AWG 20	1.10 mm	8 mm	0.75 mm ²	AWG 18	1.30 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
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2.5	09 15 000 6106	09 15 000 6206																															
gold plated 	0.14-0.37	09 15 000 6124	09 15 000 6224																														
	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																														

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Stock items in bold type

Identification	Part No.		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" 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		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						

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Stock items in bold type