

R 15

Page

Technical characteristics R 15 .....	<b>10.10</b>
R 15 Inserts .....	<b>10.11</b>
R 15 Hoods/Housings .....	<b>10.12</b>

## Specifications

DIN VDE 0627  
DIN VDE 0110

## Approvals



## Inserts

Number of contacts	7 + PE
Working current (see current carrying capacity)	10 A max.
Working voltage	250 V
Test voltage $U_{rms}$	2 kV
Insulation group	C
Insulation resistance	$\geq 10^{10} \Omega$
Material	Polyamide
Temperature range	- 40 °C ... +125 °C
Flammability acc. to UL 94	HB
Mechanical working life	
- Mating cycles	$\geq 500$
Working voltage acc. to UL/CSA	600 V

## 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 sealing	NBR
Temperature range	- 40 °C ... +125 °C
Degree of protection acc. to DIN 40 050 for coupled connector	IP 65

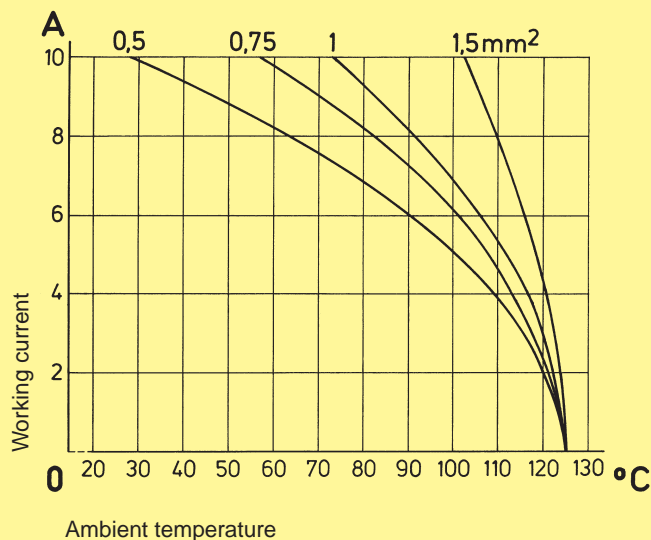
## Accessories

Crimping tools	chapter 12
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 60 512-3.



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



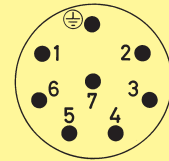
R 15

**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

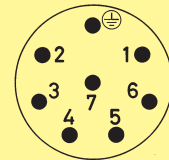


R 15

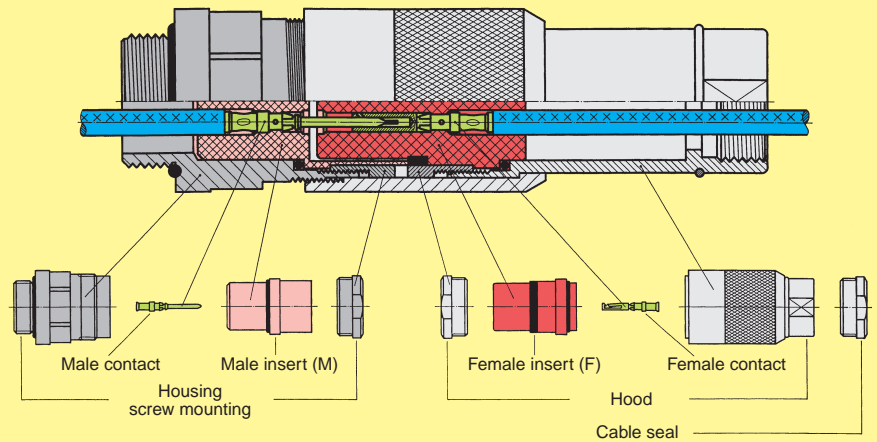
**09 15 007 3021**

**09 15 007 3121**

Female insert (F)



Mounting example



Identification	Wire gauge (mm <sup>2</sup> )	Part No.		Drawing	Dimensions in mm
		Male contacts	Female contacts		

**Crimp contacts**

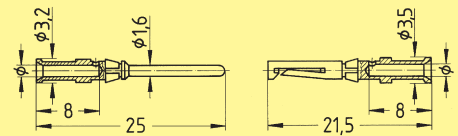
silver plated



0.14-0.37  
0.5  
0.75  
1.0  
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**



gold plated



0.14-0.37  
0.5  
0.75  
1.0  
1.5  
2.5


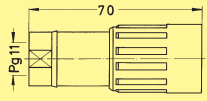
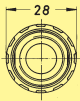

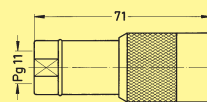
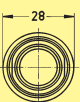

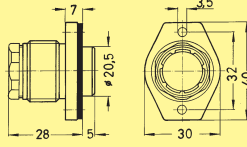

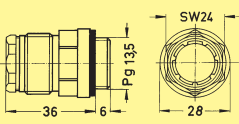


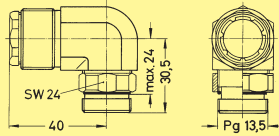


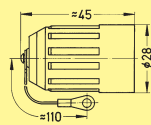
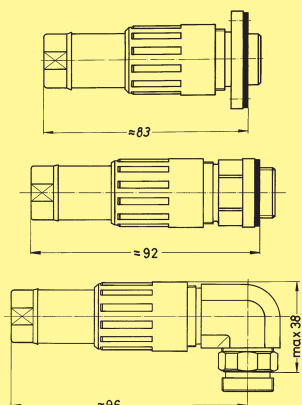
**09 15 000 6124**  
**09 15 000 6123**  
**09 15 000 6125**  
**09 15 000 6122**  
**09 15 000 6121**  
**09 15 000 6126**

**09 15 000 6224**  
**09 15 000 6223**  
**09 15 000 6225**  
**09 15 000 6222**  
**09 15 000 6221**  
**09 15 000 6226**

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

Stock items in bold type

R 15

Identification	Part No.		Pg	Drawing	Dimensions in mm
	thermoplastic	metal			
Hoods		<b>09 15 000 0401</b>	11		
		<b>09 15 000 0421</b>	11		
Housing bulkhead mounting		<b>09 15 000 0301</b>	—		
Housings screw mounting		<b>09 15 000 0101</b>	—		
		<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					

Stock items in bold type