

Features

- ☐ 6 contacts (16 A) for power circuits
- ☐ Male insert with additional protection collar
- ☐ Polarization of module
- ☐ Crimp termination
- ☐ Contacts with silver and gold plated surface
- ☐ Alternatively use of male and female modules within one frame

Technical characteristics

Specifications

DIN VDE 0627
DIN VDE 0110

Approvals



Inserts

Number of contacts	6
Working current	16 A
Working voltage	500 V
Working voltage according to UL/CSA	600 V
Pollution degree	3 (C)
Test voltage U_{eff}	3 kV
Material	Polycarbonate
Insulation resistance	$\geq 10^{10} \Omega$
Temperature range	- 40 °C + 125 °C
Flammability acc. to UL 94	V0
Mechanical working life	
- mating cycles	≥ 500

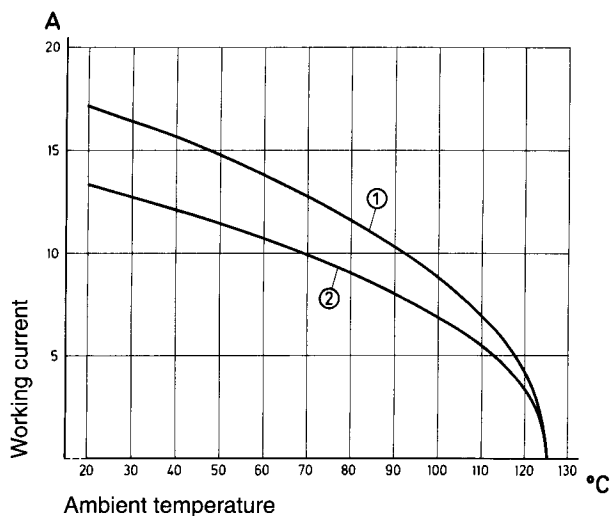
Contacts

Material	copper alloy
Surface	
- hard-silver plated	3 μm Ag
- hard-gold plated	2 μm Au over 3 μm Ni
Contact resistance	$\leq 1 \text{ m}\Omega$
Crimp terminal	
- mm^2	0.5 - 4 mm^2
- AWG	20 - 12

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 512-3.

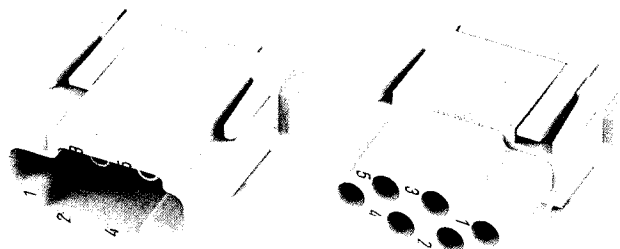


- ① 24 B hood/housing with 6 modules; wire gauge: 2.5 mm^2
 ② 24 B hood/housing with 6 modules; wire gauge: 1.5 mm^2

Number of contacts

6

Han® E-module



Identification

Part No.

Male insert (M)

Female insert (F)

Drawing

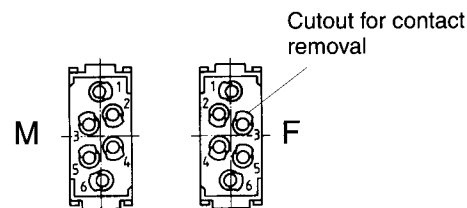
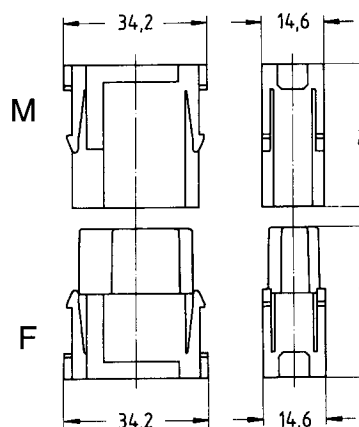
Dimensions in mm

Crimp terminal

Order contacts separately

09 14 006 3001

09 14 006 3101



Contact arrangement View from termination side

Identification	Wire gauge (mm²)	Part No. Male contacts	Part No. Female contacts	Drawing	Dimensions in mm
Crimp contacts	0.5	09 33 000 6121	09 33 000 6220		
Power contact	0.75	09 33 000 6114	09 33 000 6214		
silver plated	1.0	09 33 000 6105	09 33 000 6205		
	1.5	09 33 000 6104	09 33 000 6204		
	2.5	09 33 000 6102	09 33 000 6202		
	3	09 33 000 6106	09 33 000 6206		
	4	09 33 000 6107	09 33 000 6207		
gold plated	0.5	09 33 000 6122	09 33 000 6222		
	0.75	09 33 000 6115	09 33 000 6215		
	1.0	09 33 000 6118	09 33 000 6218		
	1.5	09 33 000 6116	09 33 000 6216		
	2.5	09 33 000 6123	09 33 000 6223		
Relay contact silver plated	0.75-1	09 33 000 6109			
	1.5	09 33 000 6110			
	2.5	09 33 000 6111			

Crimp contact identification

Identification	Wire gauge		Stripping length
no groove	0.5 mm²	AWG 20	7.5 mm
1 groove*	0.75 mm²	AWG 18	7.5 mm
1 groove	1 mm²	AWG 18	7.5 mm
2 grooves	1.5 mm²	AWG 16	7.5 mm
3 grooves	2.5 mm²	AWG 14	7.5 mm
wide groove	3.0 mm²	AWG 12	7.5 mm
no groove	4 mm²	AWG 12	7.5 mm

* on the back crimp collar