

Number of contacts

2 +



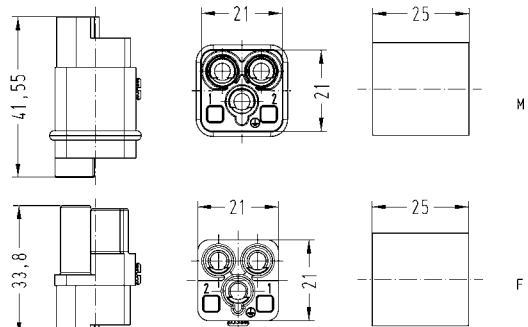
Identification	Part number		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		

Crimp terminal with heat shrink tube

order crimp contacts separately

09 12 002 3052

09 12 002 3152

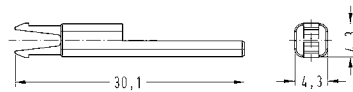


Contact arrangement view from termination side

Coding element

09 12 000 9922

09 12 000 9922



Identification	Wire gauge (mm²)	Part number		Drawing	Dimensions in mm
		Male contact	Female contact		

Crimp contacts

Power contacts

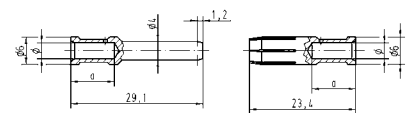
silver plated



1.5
2.5
4
6
10

09 32 000 6104
09 32 000 6105
09 32 000 6107
09 32 000 6108
09 32 000 6109

09 32 000 6204
09 32 000 6205
09 32 000 6207
09 32 000 6208
09 32 000 6209



Wire gauge			∅	Stripping length
1.5	mm²	AWG 16	1.75	9 mm
2.5	mm²	AWG 14	2.25	9 mm
4	mm²	AWG 12	2.85	9.6 mm
6	mm²	AWG 10	3.5	9.6 mm
10	mm²	AWG 8	4.3	12 mm

Features

- High current rated compact designed connector for hoods/housings size Han® 3 A
- Mating compatible to the axial screw version with 16 coding options
- Using of standard Han C crimp contacts and crimp tools which allows a cost optimised production of high quantities
- For high voltages, please use heat shrink tube
- Finger protected male and female contacts

Remark

- By using in Han® 3 A HPR hoods/housings the sealing on the insert has to be removed.

Technical characteristics

Inserts

Number of contacts	2 + PE
Electrical data	40 A 830 V 6 kV 3
acc. to EN 61 984	
Rated current	40 A
Rated voltage	830 V
Rated impulse voltage	6 kV
Pollution degree	3

Insulation resistance	≥ 10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	-40 °C ... 125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- mating cycles	≥ 500

Contacts

Material	copper alloy
Surface	
- hard-silver plated	3 µm Ag
Contact resistance	≤ 1 mΩ
Crimp termination	
- mm ²	1.5 ... 10 mm ²
- AWG	16 ... 8

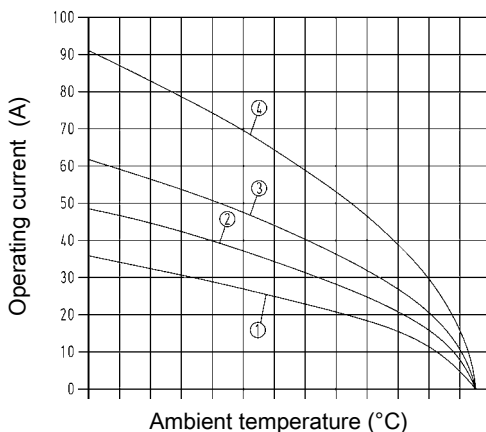
Tools

see chapter 99
in the main catalogue
„Industrial Connectors Han®“

Current Carrying Capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques according to
DIN EN 60 512-5



- ① wire gauge: 2.5 mm²
- ② wire gauge: 4 mm²
- ③ wire gauge: 6 mm²
- ④ wire gauge: 10 mm²

Hoods/Housings

Selection of hoods/housings see Han® main catalogue chapter 30 / chapter 31

Plastic hoods/housings

Material	polycarbonate
Flammability acc. to UL 94	V 0
Degree of protection acc. to DIN EN 60 529 for coupled connector	IP 67

Metal hoods/housings

Material	zinc die-cast
Degree of protection acc. to DIN EN 60 529 for coupled connector	IP 44 IP 67 is achieved with seal screw 09 20 000 9918