Features

- High density of contacts
- For requirements up to 250 V / 10 A
- Time saving rapid termination by use of crimping contacts
- Gold and silver contacts available

Technical characteristics

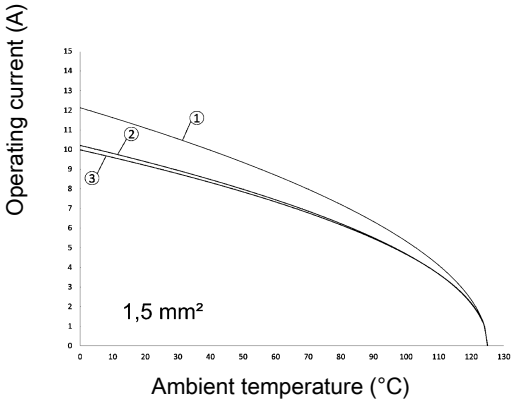
Number of contacts	55, 75, 107
Rated current	10 A
Rated voltage	250 V
Rated impulse voltage	4 kV
Pollution degree	3
Insulation resistance	>10^{10} Ω
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Material (insert)	Polycarbonate (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material flammability class acc. to UL 94	V-0

Derating

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 acc. to IEC 60512-5-2



① Han® 55 DDD
② Han® 75 DDD
③ Han® 107 DDD

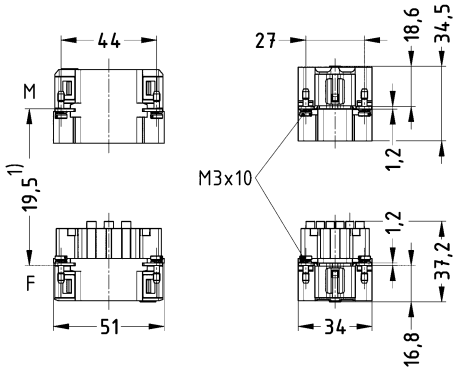
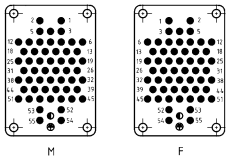
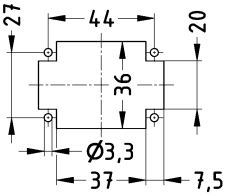
Specifications and approvals

IEC 61984

Number of contacts

55+ ⏚

10 A 250 V 4 kV 3

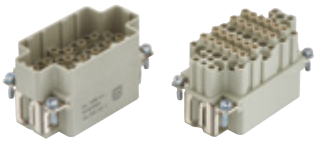
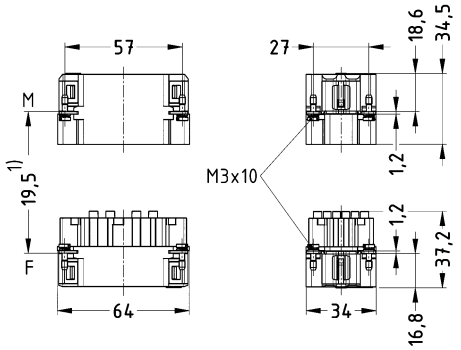
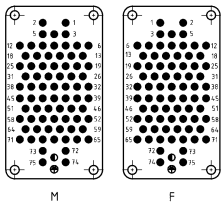
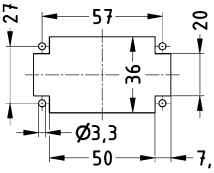
Identification	Conductor cross-section (mm²)	Part number Male	Part number Female	Drawing (dimensions in mm)
Han® DDD, Crimp termination  PE connection with a Han D® crimp contact Please order crimp contacts separately.	0.14 ... 2.5	09 16 055 2001	09 16 055 2101	 1) distance for contact max. 21 mm  Contact arrangement (view from termination side)  Panel cut out for use without Hoods/Housings

Han

Number of contacts

75+ ⏚

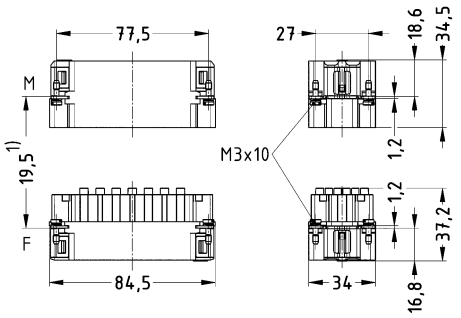
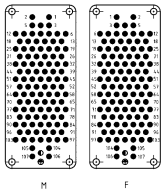
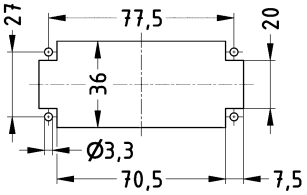
10 A 250 V 4 kV 3

Identification	Conductor cross-section (mm²)	Part number Male	Part number Female	Drawing (dimensions in mm)
Han® DDD, Crimp termination  PE connection with a Han D® crimp contact Please order crimp contacts separately.	0.14 ... 2.5	09 16 075 2001	09 16 075 2101	 1) distance for contact max. 21 mm  Contact arrangement (view from termination side)  Panel cut out for use without Hoods/Housings

Number of contacts

107+ ⏚

10 A 250 V 4 kV 3

Identification	Conductor cross-section (mm²)	Part number Male	Part number Female	Drawing (dimensions in mm)
Han® DDD, Crimp termination  PE connection with a Han D® crimp contact Please order crimp contacts separately.	0.14 ... 2.5	09 16 107 2001	09 16 107 2101	 1) distance for contact max. 21 mm  Contact arrangement (view from termination side)  Panel cut out for use without Hoods/Housings

Technical characteristics

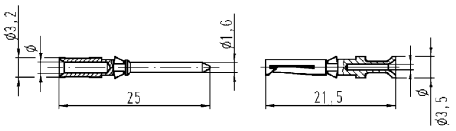
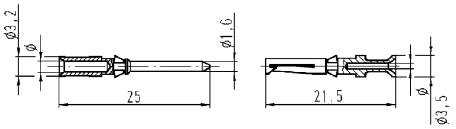
Contact resistance	≤3 mΩ
Material (contacts)	Copper alloy
RoHS	compliant with exemption

Specifications and approvals

EN 60664-1
IEC 61984

Details

Remarks on the crimp technique
The wire gauges mentioned in the catalogue refer to geometric wire gauges of cables.

Identification	Conductor cross-section (mm²)	Part number Male	Part number Female	Drawing (dimensions in mm)
Han D®, Crimp contact, Contact surface: 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	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	
Han D®, Crimp contact, Contact surface: 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	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	

Wire gauge		⌀	Stripping length
0.14-0.37 mm²	AWG 26-22	0.9 mm	8 mm
0.5 mm²	AWG 20	1.1 mm	8 mm
0.75 mm²	AWG 18	1.3 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

Wire gauge		⌀	Stripping length
0.14-0.37 mm²	AWG 26-22	0.9 mm	8 mm
0.5 mm²	AWG 20	1.1 mm	8 mm
0.75 mm²	AWG 18	1.3 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