How to order connectors

For a complete connector components may be ordered from the following sub headings

Cable entry protection

Universal cable glands

Special cable clamp with strain relief, bell mouthed cable fitting and anti-twist devices

Cable gland with normal or multiple seal

Extensive range of accessories

Hoods

low or high construction
top or side cable entry
1 or 2 locking levers

Male insert with

screw terminal or
crimp terminal (order contacts separately)
or cage-clamp terminal

Female insert with

screw terminal or
crimp terminal (order contacts separately)
or cage-clamp terminal

Housings

Housing (bulkhead mounting)
with or without thermoplastic
or metal covers
1 or 2 locking levers

Housing (surface mounting)
low or high construction
with or without thermoplastic
or metal covers
1 or 2 locking levers
1 or 2 cable entries

Hood (cable to cable)
low or high construction
for cable to cable connections

Accessories

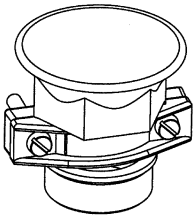
Protective covers available

Code and guide pins for coding

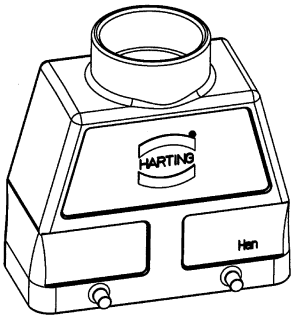
Special insert fixing screws for use without hoods and housings

Label according to CSA-approval

Suitable hoods and housings will be found on the same page.

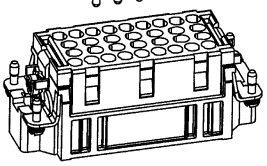


Cable clamp

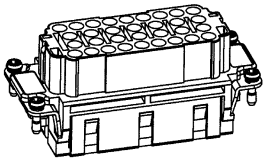


Hood

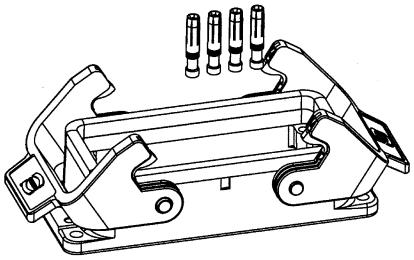
Male contacts



Male insert



Female insert

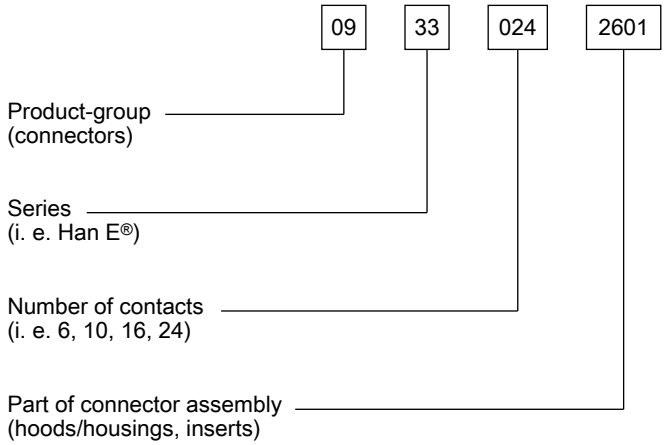


Female contacts

Housing

Part number explanation

Our computerized ordering system uses the following code:



Features

- Covers a wide range of cross-sections
- Screw termination with wire protection

Technical characteristics

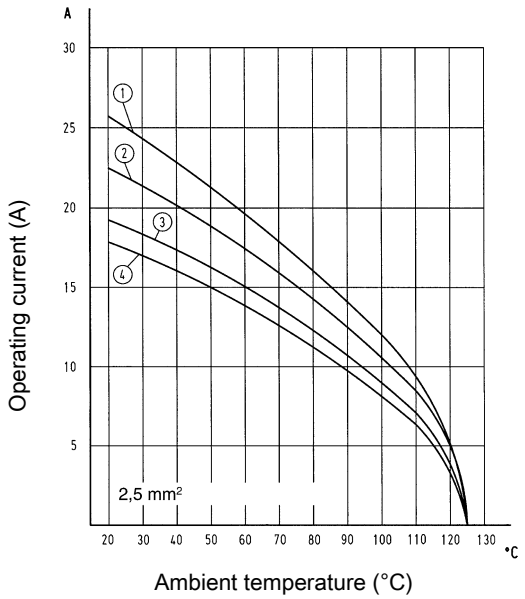
Number of contacts	6, 10, 16, 24, 32, 48
Electrical data acc. to IEC 61984	16 A 500 V 6 kV 3
Rated current	16 A
Rated voltage	500 V
Rated impulse voltage	6 kV
Pollution degree	3
Rated voltage acc. to UL	600 V
Rated voltage acc. to CSA	600 V
Insulation resistance	≥10^{10} Ω
Contact resistance	≤1 mΩ
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Material (insert)	Polycarbonate
Colour (insert)	RAL 7032 (pebble grey)

Derating

Current carrying capacity

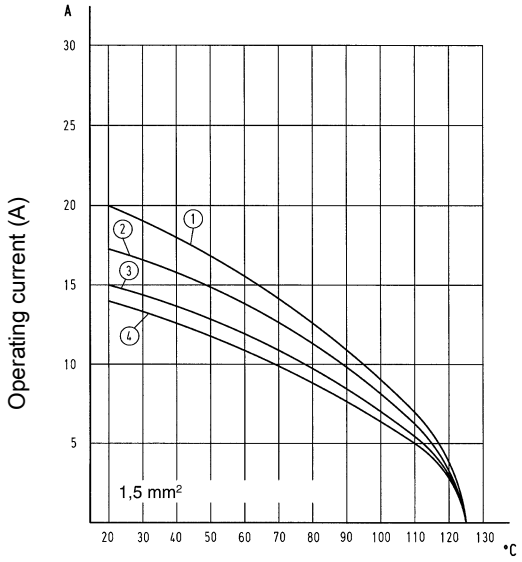
The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the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

Measuring and testing techniques acc. to IEC 60512-5-2



① Han® 6 E
② Han® 10 E
③ Han® 16 E Han® 32 E
④ Han® 24 E Han® 48 E

Derating



① Han® 6 E
② Han® 10 E
③ Han® 16 E Han® 32 E
④ Han® 24 E Han® 48 E

Specifications and approvals

EN 60664-1
IEC 61984
UL 1977 ECBT2.E235076
UL 2237 PVVA2.E318390

Details

Internal use in the switch cabinet in conjunction with Han-Snap® (see chapter 11)

Suitable for hoods/housings of series Han® B, Han® M, Han® EMC, Han® HPR, Han® Easy Hood (see chapter 31)

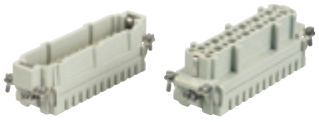
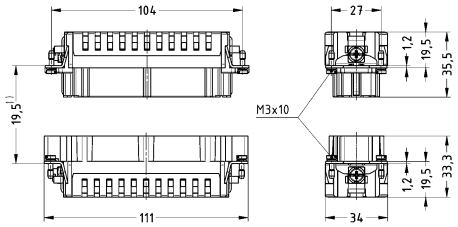
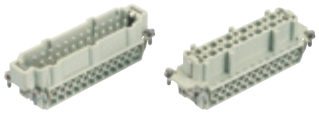
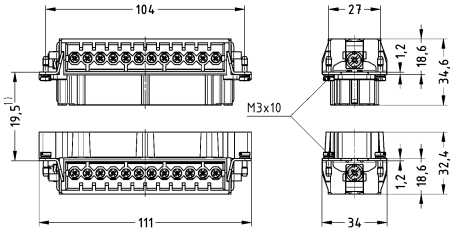
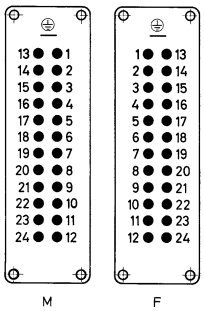
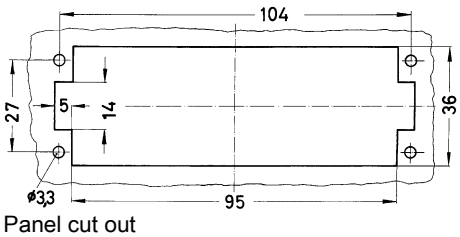
Tightening torque 0.5 Nm

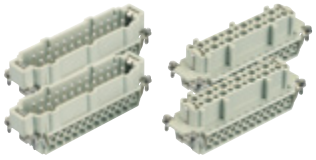
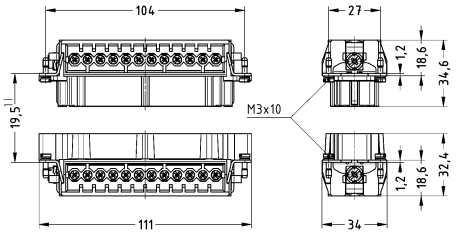
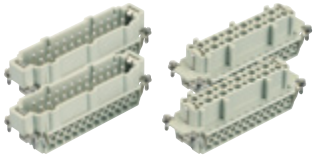
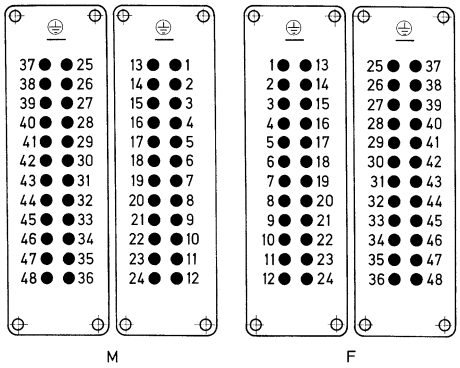
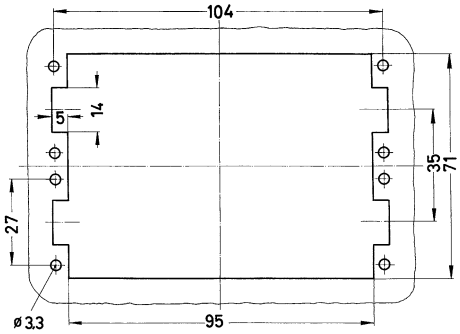
Tightening torque PE screw 1.2 Nm

Number of contacts

24+ ⏚

16 A 500 V 6 kV 3

Identification	Conductor cross-section (mm²)	Part number Male	Part number Female	Drawing (dimensions in mm)
Han E® , Crimp termination  Please order crimp contacts separately.	0,14 ... 4	09 33 024 2602	09 33 024 2702	 1) distance for contact max. 21 mm
Han E® , Screw termination, With wire protection 	0,75 ... 2,5	09 33 024 2601	09 33 024 2701	 1) distance for contact max. 21 mm  Contact arrangement (view from termination side)  Panel cut out

Identification	Conductor cross-section (mm²)	Part number Male	Part number Female	Drawing (dimensions in mm)
Han E® , Screw termination, With wire protection, 1 ... 24  You need two inserts for a complete assembly!	0,75 ... 2,5	09 33 024 2601	09 33 024 2701	 1) distance for contact max. 21 mm
Han E® , Continuing marking, Screw termination, With wire protection, 25 ... 48  You need two inserts for a complete assembly!	0,75 ... 2,5	09 33 024 2611	09 33 024 2711	 Contact arrangement (view from termination side)  Panel cut out