



Number of contacts

4/2 +



Inserts with axial screw termination
Signal contacts with Han-Quick Lock® Termination

Identification	Part-Number	Drawing	Dimensions in mm
<p>Han® Q 8/0 Quick Lock</p> <p>Male insert</p>  <p>Male insert without Han-Quick Lock® signal contacts</p> <p>Female insert</p>  <p>Female insert without Han-Quick Lock® signal contacts</p>	<p>09 12 006 2663</p> <p>09 12 006 2666</p> <p>09 12 006 2763</p> <p>09 12 006 2766</p>		<p>contact arrangement view termination side</p>

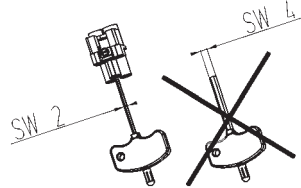


Features

- Field assembly without special tools
- Compatible with Han® Q 4/2 standard inserts with crimp terminal
- Reduced wiring times
- Inserts suitable for standard plastic hoods/housings and the metal hoods/housings with additional PE contact on the hood/housing of size Han-Compact®
- Space-saving and compact design
- optionally with or without Han-Quick Lock® signal contacts

Attention

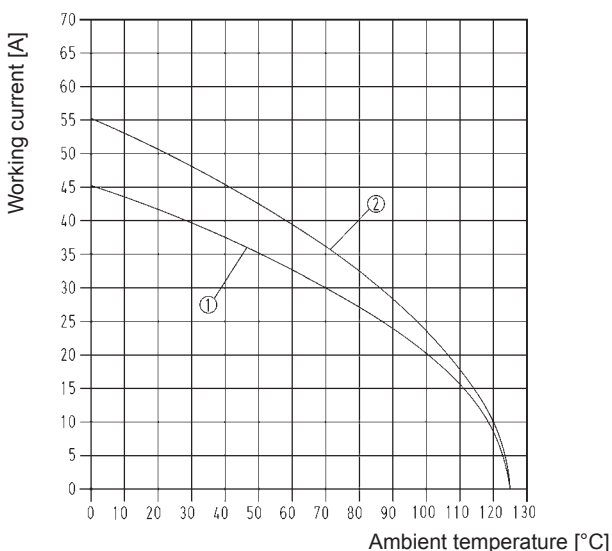
- For termination please use only hexagonal screw driver with wrench size SW 2.
- If PE contact is not used:
Please screw the PE contact maximal on both sides clockwise with a hexagonal screwdriver, wrench size SW 2.



Current Carrying Capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element 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: 4 mm²
- ② Wire gauge: 6 mm²

Technical characteristics

Specifications	DIN EN 60 644-1 DIN EN 61 984
Inserts	
Number of contacts	4/2 + PE
Electrical data acc. to DIN EN 61 984	
<u>Power area</u>	40 A 400/690 V 6 kV 3
Rated current	40 A
Rated voltage conductor - ground	400 V
Rated voltage conductor - conductor	690 V
Rated impulse voltage	6 kV
Pollution degree	3
<u>Signal area</u>	10 A 250 V 4 kV 3
Rated current	10 A
Rated voltage	250 V
Rated impulse voltage	4 kV
Pollution degree	3
Insulation resistance	≥ 10 ¹⁰ Ω
Material insert	Polycarbonate
Material seal	NBR
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
- hard gold plated	2 m Au over 3 µm Ni
<u>Power contacts</u>	
Contact resistance	≤ 0.3 mΩ
Axial screw termination	
- mm ²	4 ... 6 mm ² (optionally 10 mm ²)
- AWG	12 ... 10 (optionally 8)
max. Insulation cross section	5 mm
Stripping length	8 mm ⁺¹
max. Tightening torque	1.8 Nm
<u>Signal contacts</u>	
Contact resistance	≤ 3 mΩ
Han-Quick Lock®	
- mm ²	0.34 ... 1.5 mm ²
- AWG	22 ... 16
max. Insulation cross section	3 mm
Stripping length	10 mm ⁺¹
Hoods / housings	
Material plastic	Polycarbonate
Material metal	Zinc die-cast
Flammability acc. to UL 94	V 0
Hoods/ housings seal	NBR
Limiting temperatures	-40 °C ... +125 °C
Degree of protection acc. to DIN EN 60 529 in locked position	IP 65

