Han-Power® S with 1x Han® Q 4/2

Features

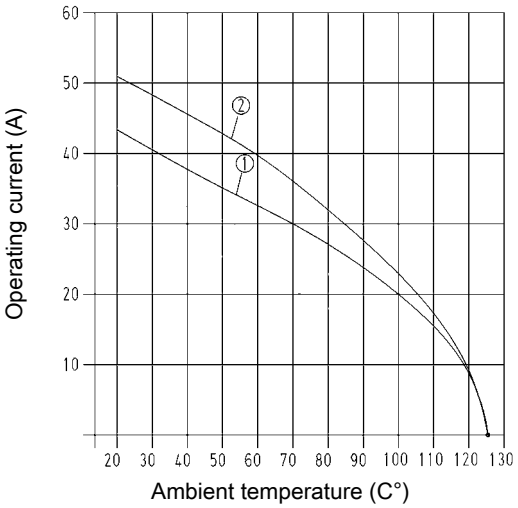
- Compact design saves space
- No interruption of the energy supply
- Leading protective ground contact within the insert
- Assembly with standard tools
- Black plastic hood, top entry
- Cable to cable hood with male insert and hood with female insert
- Cable (5x 4 mm²) pre-assembled on both sides

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® Q 4/2 Wire cross section 4 mm²
② Han® Q 4/2 Wire cross section 6 mm²

Technical characteristics

Contacts	4/2
Electrical data acc. to IEC 61984	**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
Electrical data, signal	**10 A 250 V 4 kV 3**
Rated current	10 A
Rated voltage	250 V
Rated impulse voltage	4 kV
Rated voltage acc. to UL	600 V
Rated voltage acc. to UL, signal	250 V
Insulation resistance	≥10^{10} kOhm
Limiting temperatures	-40 °C ... 125 °C
Flammability (hoods/housings) acc. to UL 94	V 0
Mating cycles	≥500
Degree of protection acc. to IEC 60529	IP65
Material (hoods/housings)	polycarbonate
Colour (hoods/housings)	RAL 9005 (black)
Material (locking lever)	polyamide
Material (seal)	NBR
Material (contact)	copper alloy

Specifications and approvals

IEC 61984
IEC 60664-1
DIN VDE 0281
IEC 60228

Details

The Han-Power® S connector is suitable for the assembly of serial power bus.

Having assembled the energy supply Han-Power® S can be inserted at any place of the power cable.The cable jacket has to be removed, the conductor is placed without interruption in the IDC.

Han-Power® S is suitable for cables with single strands manufactured acc. to DIN VDE 0281/ DIN EN 60 228. For the distribution of the device Han-Compact® hoods or cable to cable housings are used.

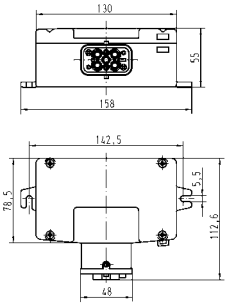
This power supply has to be realized with one Han-Compact® cable to cable hood.

Han-Power® S with 1x Han® Q 4/2

Number of contacts

4/2+ ⏚

400/690 V / 250 V
40 A/10 A

Identification	Wire cross section (mm²)	Cable length	Part number	Drawing Dimensions in mm
Han-Power® S, with 1x Han® Q 4/2, moulded Han-Compact® Hoods, IDC Insulation displacement terminal, contact resistance ≤0.3 mOhm 	2.5 – 4 4 – 6		09 12 008 4804 09 12 008 4806	
System cable	4 4 4 4 4 4	1.5 m 3 m 5 m 10 m 15 m 30 m	20 88 641 1015 20 88 641 1030 20 88 641 1050 20 88 641 1100 20 88 641 1150 20 88 641 1300