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Han-Power® S with 1x Han® Q 4/2



Features

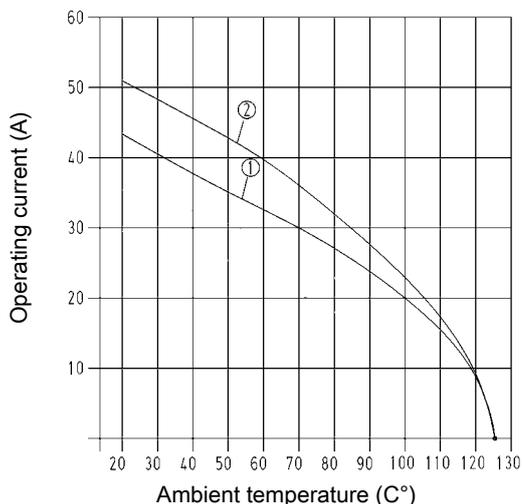
- Compact design saves space
- No interruption of the energy supply
- Leading protective ground contact within the insert
- Assembly with standard tools
- Black plastic hood, top entry
- Cable to cable hood with male insert and hood with female insert
- Cable (5x 4 mm²) pre-assembled on both sides

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

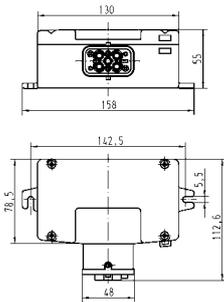
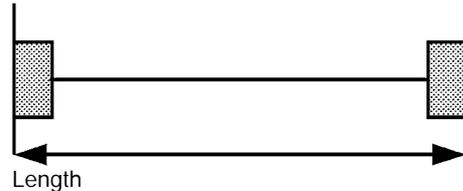
Han-Power® S with 1x Han® Q 4/2



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	 <p>Length</p>

Han-Power

Han-Power® S with 2x Han® Q 4/2



Features

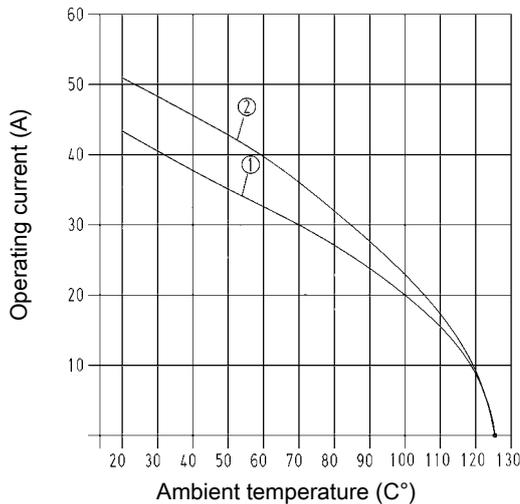
- Compact design saves space
- No interruption of the energy supply
- Leading protective ground contact within the insert
- Assembly with standard tools
- Black plastic hood, top entry
- Cable to cable hood with male insert and hood with female insert
- Cable (5x 4 mm²) pre-assembled on both sides

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

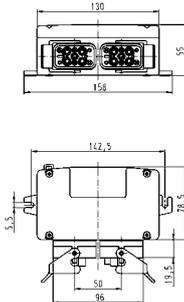
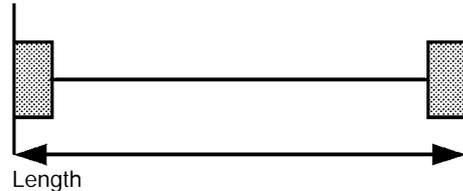
Han-Power® S with 2x Han® Q 4/2



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 2x Han® Q 4/2, Han-Compact® Housings, bulk-head mounting, IDC Insulation displacement terminal, contact resistance ≤0.3 mOhm 	4-6		09 12 008 4807	
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	

Han-Power

Han-Power® S with 1x Han® Q 4/2 with maintenance switch



Features

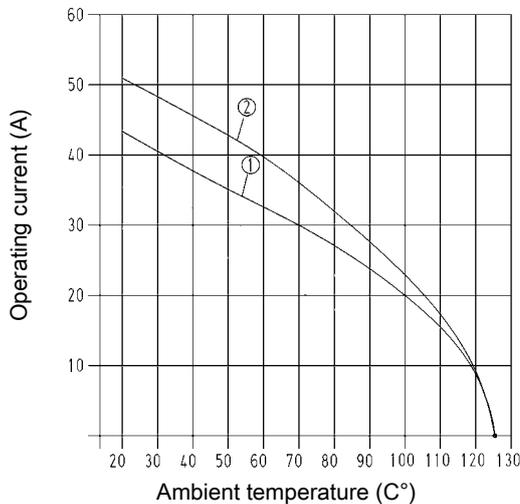
- Compact design saves space
- No interruption of the energy supply
- Leading protective ground contact within the insert
- Assembly with standard tools

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	5 A 230/400 V 4 kV 2
Rated current	5 A
Rated voltage conductor - ground	230 V
Rated voltage conductor - conductor	400 V
Rated impulse voltage	4 kV
Pollution degree	2
Electrical data, signal	10 A 250 V 4 kV 2
Rated current	10 A
Rated voltage	250 V
Rated impulse voltage	4 kV
Rated voltage acc. to UL	600 V
Rated voltage acc. to CSA	250 V
Insulation resistance	≥10 ¹⁰ kOhm
Limiting temperatures	-25 °C ... 55 °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 (seal)	NBR
Material (contact)	copper alloy

Specifications and approvals

IEC 61984
IEC 60664-1

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.

Cables

Design of conductor acc. to DIN VDE 0281 / DIN EN 60 228

Wire gauge 4 mm²

- Number of single strands 56 x 0.3 mm ∅

- Outer diameter 4.2 mm

Wire gauge 6 mm²

- Number of single strands 84 x 0.3 mm ∅

- Outer diameter 4.8 mm

Technical data of switches

Electrical data acc. to IEC/EN 61058-1 (VDE 0630 sect. 1)

for switch-disconnectors

Rated voltage 250 V~ / 400 V~

Rated current 16 (10) A / 10 (5) A

Han-Power

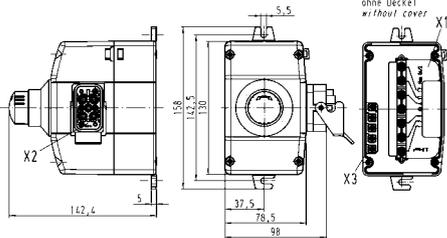
Han-Power® S with 1x Han® Q 4/2 with maintenance switch



Number of contacts

4/2+

230/400 V / 250 V
5 A/10 A

Identification	Wire cross section (mm²)	Part number	Drawing Dimensions in mm
<p>Han-Power® S, with 1x Han® Q 4/2, with maintenance switch, IDC Insulation displacement terminal</p> 	<p>4-6</p>	<p>09 12 008 4620</p>	

Han-Power

Han-Power® S with 1x Han® Q 4/2 and on/off Switch



Features

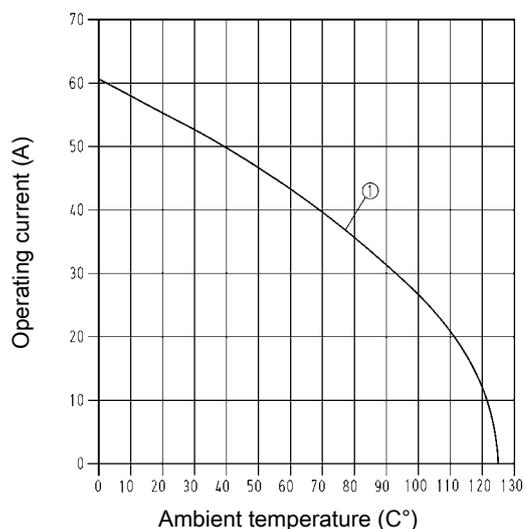
- Compact design saves space
- No interruption of the energy supply
- Leading protective ground contact within the insert
- Assembly with standard tools

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



Energy supply Wire cross section 10 mm²

Technical characteristics

Contacts	4/2
Electrical data acc. to IEC 61984	10 A 230/400 4 kV 3
Rated current	10 A
Rated voltage conductor - ground	230
Rated voltage conductor - conductor	400
Rated impulse voltage	4 kV
Pollution degree	3
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 (seal)	NBR
Material (contact)	copper alloy

Specifications and approvals

IEC 61984
IEC 60664-1

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.

Power side

Electrical data
acc. to EN 61 984

Interface to connector

10 A 230/400 V 4 kV 3
Rated current 10 A
Rated voltage conductor - ground 230 V
Rated voltage conductor - conductor 400 V
Rated impulse voltage 4 kV
Rated short-circuit current 0.5 kA
Pollution degree 3
Frequency 50 Hz

Energy bus

50 A 230/400 V 4 kV 3
Max. operating temperature -5°C ... 60°C
Degree of protection
acc. to DIN EN 60 529 IP 65

Mechanical working life ≥ 500 mating cycles

Security fixing

nach IEC 60 127-1;
nach UL 4248-1 / UL 512
nach CSA C22.2 no. 39
Rated current I_{na} 10 A
Rated voltage U_n 250 V

Technical data of switches

Electrical data
acc. to IEC/EN 60 947 16 A 750 V 0.5 kA
Rated current I_{na} 16 A
Rated voltage U_n 750 V
Rated short-circuit current I_{cc} 0.5 kA
Mechanical working life 10 000 operations

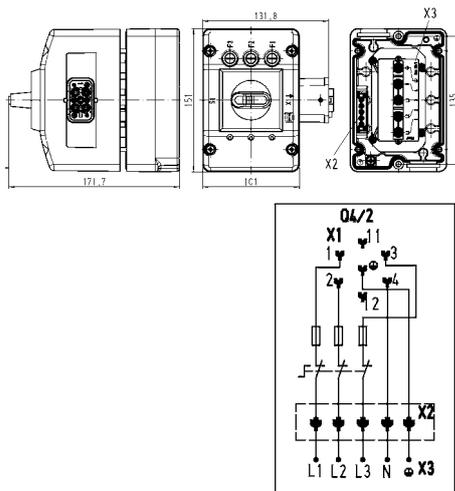
Han-Power® S with 1x Han® Q 4/2 and on/off Switch



Number of contacts

4/2+

230/400
10 A

Identification	Wire cross section (mm²)	Part number	Drawing Dimensions in mm
<p>Han-Power® S, with LED Display and on/off Switch, IDC Insulation displacement terminal</p> 	<p>10</p>	<p>09 12 008 4650</p>	 <p>Wiring diagram</p>

Han-Power

Han-Power® S with 1x Han® Q 4/2, metal



Features

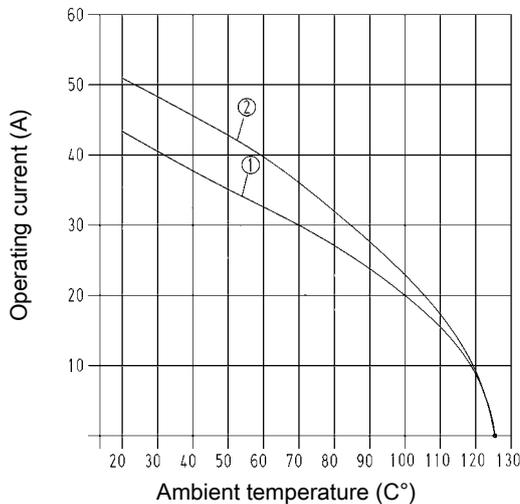
- Compact design saves space
- No interruption of the energy supply
- Leading protective ground contact within the insert
- Assembly with standard tools

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
Rated voltage acc. to CSA	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)	aluminium
Surface (hoods/housings)	powder-coated
Colour (hoods/housings)	RAL 9005 (black)
Material (seal)	NBR
Material (contact)	copper alloy

Specifications and approvals

IEC 61984
IEC 60664-1

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

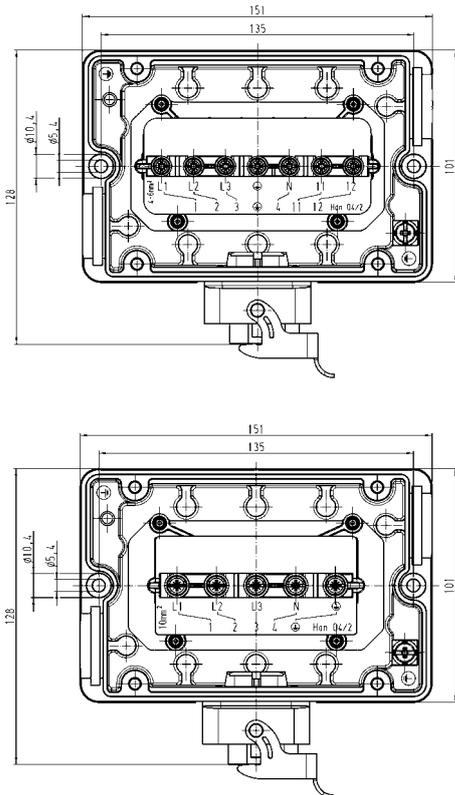
Han-Power® S with 1x Han® Q 4/2, metal



Number of contacts

4/2+

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

Identification	Wire cross section (mm²)	Part number	Drawing Dimensions in mm
<p>Han-Power® S, with 1x Han® Q 4/2, Han-Compact® Housings, bulkhead mounting, IDC Insulation displacement terminal, contact resistance ≤0.3 mOhm</p> 	<p>4-6 10</p>	<p>09 12 008 4901 09 12 008 4951</p>	<p>Drawing Dimensions in mm</p> 

Han-Power

Han-Power® S with 1x Han® Q 8/0



Features

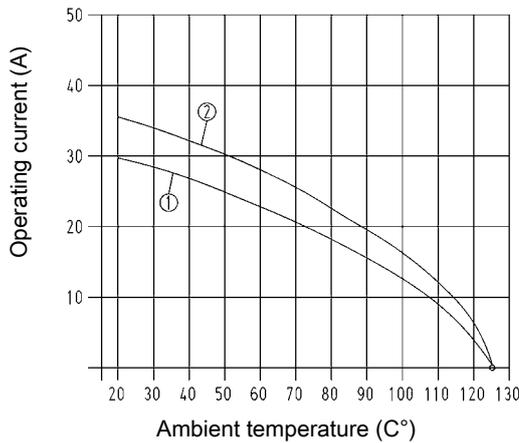
- Compact design saves space
- No interruption of the energy supply
- Leading protective ground contact within the insert
- Assembly with standard tools
- Black plastic hood, top entry
- Cable to cable hood with male insert and hood with female insert
- Cable (7x 2.5 mm²) pre-assembled on both sides

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 8/0 Wire cross section 2.5 mm²
- ② Han® Q 8/0 Wire cross section 4 mm²
- ③ Han® Q 8/0 Wire cross section 6 mm²

Technical characteristics

Contacts	8
Electrical data acc. to IEC 61984	25 A 500 V 6 kV 3
Rated current	25 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 kOhm
Limiting temperatures	-40 °C ... 125 °C
Operating temperature, unmoved	40 °C ... 80 °C
Operating temperature, moved	-15 °C ... 80 °C
Flammability (hoods/housings) acc. to UL 94	V 0
Mating cycles	≥500
Degree of protection acc. to IEC 60529	IP65, IP65 / IP67
Material (hoods/housings)	polycarbonate
Colour (hoods/housings)	RAL 9005 (black)
Material (locking lever)	polyamide, fibre-glass reinforced
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

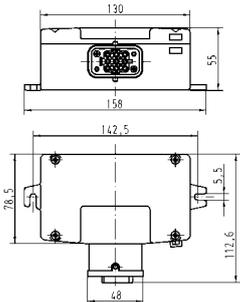
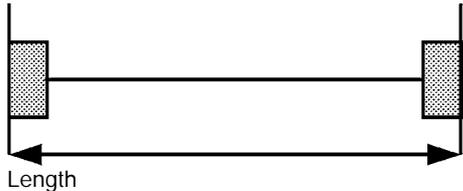
Han-Power® S with 1x Han® Q 8/0



Number of contacts

8+

500 V
25 A

Identification	Wire cross section (mm²)	Cable length	Part number	Drawing Dimensions in mm
Han-Power® S, with 1x Han® Q 8/0, moulded Han-Compact® Hoods, IDC Insulation displacement terminal, contact resistance ≤1 mOhm 	2.5-4 4-6		09 12 008 4801 09 12 008 4811	
System cable	2.5 2.5 2.5 2.5 2.5 2.5	1.5 m 3 m 5 m 10 m 15 m 30 m	20 88 841 0015 20 88 841 0030 20 88 841 0050 20 88 841 0100 20 88 841 0150 20 88 841 0300	

Han-Power

Han-Power® S with 2x Han® Q 8/0



Features

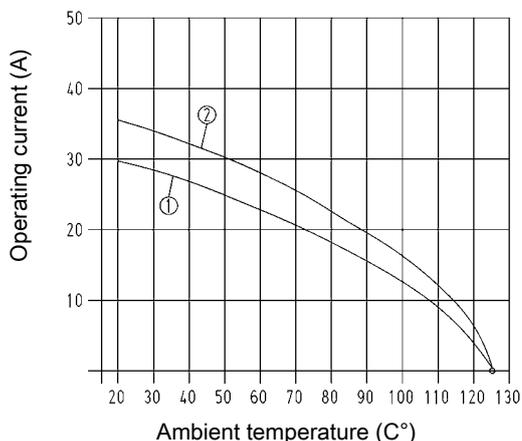
- Compact design saves space
- No interruption of the energy supply
- Leading protective ground contact within the insert
- Assembly with standard tools
- Black plastic hood, top entry
- Hood on both sides
- Cable (7x 2.5 mm²) pre-assembled on both sides

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 8/0 Wire cross section 2.5 mm²
- ② Han® Q 8/0 Wire cross section 4 mm²

Technical characteristics

Contacts	6
Electrical data acc. to IEC 61984	25 A 500 V 6 kV 3
Rated current	25 A
Rated voltage	500 V
Rated impulse voltage	6 kV
Pollution degree	3
Rated voltage acc. to UL	600 V
Insulation resistance	≥10 ¹⁰ kOhm
Limiting temperatures	-40 °C ... 125 °C
Operating temperature, un-moved	40 °C ... 80 °C
Operating temperature, moved	-15 °C ... 80 °C
Flammability (hoods/housings) acc. to UL 94	V 0
Mating cycles	≥500
Degree of protection acc. to IEC 60529	IP65, IP65 / IP67
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.

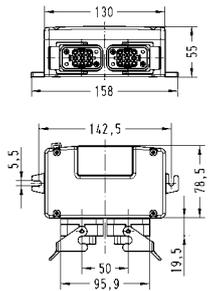
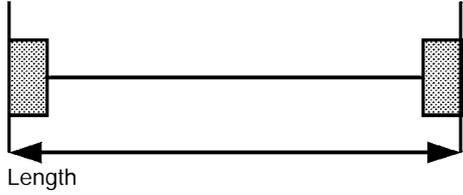
Han-Power® S with 2x Han® Q 8/0



Number of contacts

6+

500 V
25 A

Identification	Wire cross section (mm²)	Cable length	Part number	Drawing Dimensions in mm
Han-Power® S, with 2x Han® Q 8/0, Han-Compact® Housings, bulk- head mounting, IDC Insulation displacement terminal, Bulkhead mounted housings, contact resistance ≤1 mOhm 	2.5 - 4		09 12 008 4802	
System cable 3.6 mm ... 4.2 mm	2.5 2.5 2.5 2.5 2.5 2.5	1.5 m 3 m 5 m 10 m 15 m 30 m	20 88 821 0015 20 88 821 0030 20 88 821 0050 20 88 821 0100 20 88 821 0150 20 88 821 0300	 <p>Length</p>

Han-Power

Han-Power® T with 3x Han® Q 2/0



Features

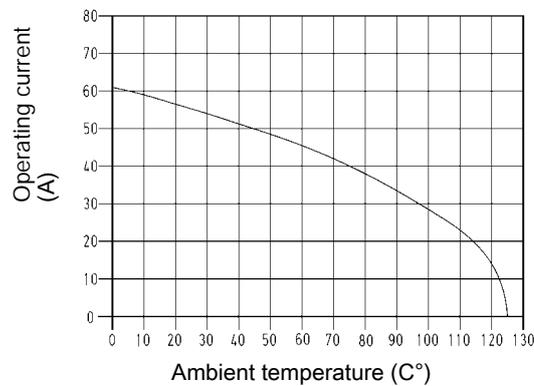
- Per 1 connection for power input, power output and to device
- 2 power contacts
- Plastic housings are integrated in the moulding

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



Wire cross section 6 mm²

Technical characteristics

Contacts	2
Electrical data acc. to IEC 61984	40 A 400 V 6 kV 3
Rated current	40 A
Rated voltage	400 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 Ohm
Flammability (hoods/housings) acc. to UL 94	V 0
Mating cycles	≥500
Degree of protection acc. to IEC 60529	IP65 / IP67
Material (hoods/housings)	polyamide
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

Han-Power® T with 3x Han® Q 2/0



Number of contacts

2+

400 V
40 A

Identification

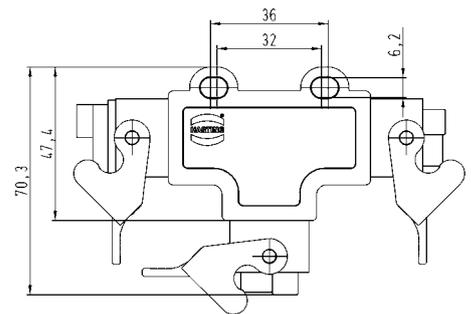
Han-Power® T,
with 3x Han® Q 2/0,
in Han® 3 A Housings, bulkhead mounting,
contact resistance ≤1 mOhm



Part number

09 12 008 4752

Drawing
Dimensions in mm



Han-Power

Han-Power® T with 3x Han® Q 5/0



Features

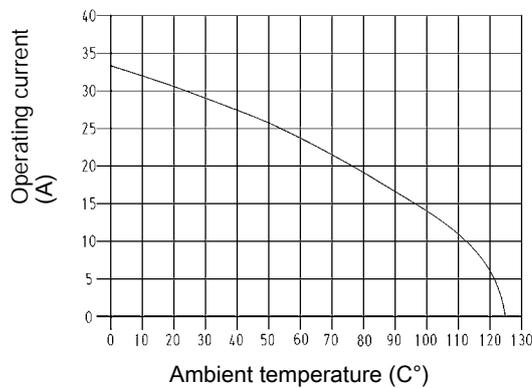
- Per 1 connection for power input, power output and to device
- 4 power contacts
- Plastic housings are integrated in the moulding

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



Wire cross section 2.5 mm²

Technical characteristics

Contacts	5
Electrical data acc. to IEC 61984	16 A 230/400 V 4 kV 3
Rated current	16 A
Rated voltage conductor - ground	230 V
Rated voltage conductor - conductor	400 V
Rated impulse voltage	4 kV
Pollution degree	3
Rated voltage acc. to UL	600 V
Insulation resistance	≥10 ¹⁰ Ohm
Flammability (hoods/housings) acc. to UL 94	V 0
Mating cycles	≥500
Degree of protection acc. to IEC 60529	IP65 / IP67
Material (hoods/housings)	polyamide
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

Han-Power

Han-Power® T with 3x Han® Q 5/0



Number of contacts

5+

230/400 V
16 A

Identification

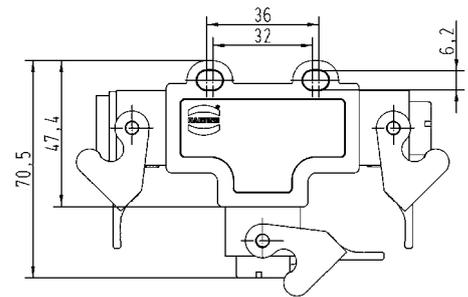
Han-Power® T,
with 3x Han® Q 5/0,
in Han® 3 A Housings, bulkhead mounting,
contact resistance ≤1 mOhm



Part number

09 12 008 4751

Drawing
Dimensions in mm



Han-Power

Han-Power® T with 3x Han® Q 4/2



Features

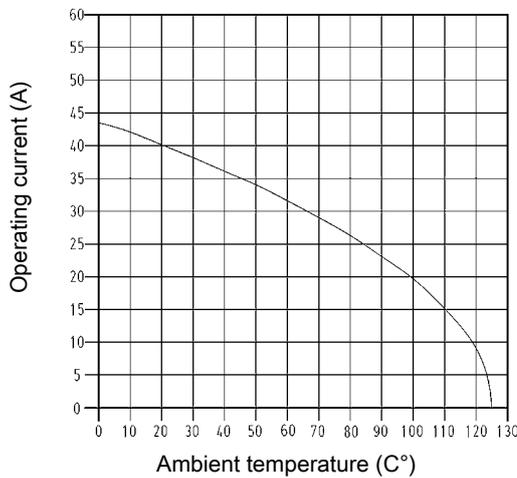
- Per 1 connection for power input, power output and to device
- Finger safe male and female contacts
- 4 power contacts
- 2 signal contacts
- Hoods/Housings, metal

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



Wire cross section 4 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
Rated voltage acc. to CSA	250 V
Insulation resistance	≥10 ¹⁰ Ohm
Flammability (hoods/housings) acc. to UL 94	V 0
Mating cycles	≥500
Degree of protection acc. to IEC 60529	IP65
Material (hoods/housings)	zinc die-cast
Surface (hoods/housings)	powder-coated
Colour (hoods/housings)	RAL 9005 (black)
Material (locking lever)	stainless steel
Material (seal)	NBR
Material (contact)	copper alloy

Specifications and approvals

IEC 61984
IEC 60664-1

Han-Power

Han-Power® T with 3x Han® Q 4/2



Number of contacts

4/2+

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

Identification

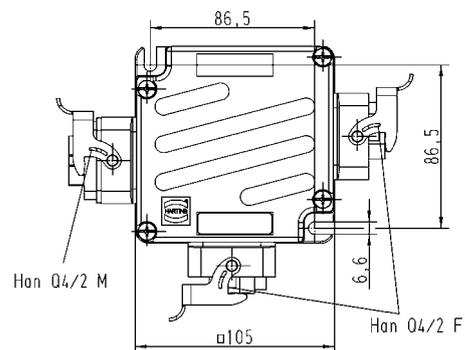
Han-Power® T,
with 3x Han® Q 4/2,
in Han-Compact® Housings, bulkhead mounting,
contact resistance ≤0.3 mOhm



Part number

09 12 008 4720

Drawing
Dimensions in mm



Han-Power

Han-Power® T with 3x Han-Modular® Twin



Features

- 1 connection for power input and power output each
- 1 T-connection to device
- 3 power contacts
- 4 signal contacts
- Hoods/Housings, metal
- Han-Easy Lock®

Technical characteristics

Contacts	3/4
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	16 A 400 V 6 kV 3
Rated current	16 A
Rated voltage	400 V
Rated impulse voltage	6 kV
Rated voltage acc. to UL	600 V
Insulation resistance	≥10 ¹⁰ Ohm
Flammability (hoods/housings) acc. to UL 94	V 0
Mating cycles	≥500
Degree of protection acc. to IEC 60529	IP65
Material (hoods/housings)	zinc die-cast
Surface (hoods/housings)	powder-coated
Colour (hoods/housings)	RAL 7037 (grey)
Material (locking lever)	polycarbonate + stainless steel
Material (seal)	NBR
Material (contact)	copper alloy

Specifications and approvals

IEC 61984
IEC 60664-1

Han-Power

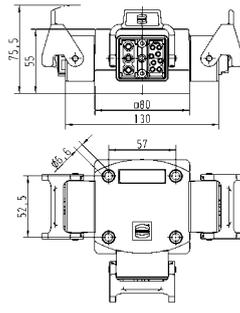
Han-Power® T with 3x Han-Modular® Twin



Number of contacts

3/4

400/690 V / 400 V
40 A/16 A

Identification	Part number	Drawing Dimensions in mm
<p>Han-Modular® Twin, with 3x Han-Modular® Twin, Bulkhead mounted housings</p> 	<p>09 12 008 4760</p>	

Han-Power

Accessories



Technical characteristics

Material (accessories) NBR

Identification	Part number	Drawing Dimensions in mm
Han-Power® S, Grommet 7 mm ... 10 mm	09 12 000 9969	
Han-Power® S, Grommet 10 mm ... 13 mm	09 12 000 9970	
Han-Power® S, Grommet 13 mm ... 16 mm	09 12 000 9971	
Han-Power® S, Grommet 16 mm ... 19 mm	09 12 000 9972	
Han-Power® S, Grommet 19 mm ... 22 mm	09 12 000 9973	
Blind grommet	09 12 000 9974	

Han-Power