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Features

- 6 IDCs + PE for 2.5 mm² up to 6 mm² wire gauge
- No interruption of the energy supply
- Space-saving and compact design
- Leading protective ground within the insert
- Assembly with standard tools

Description

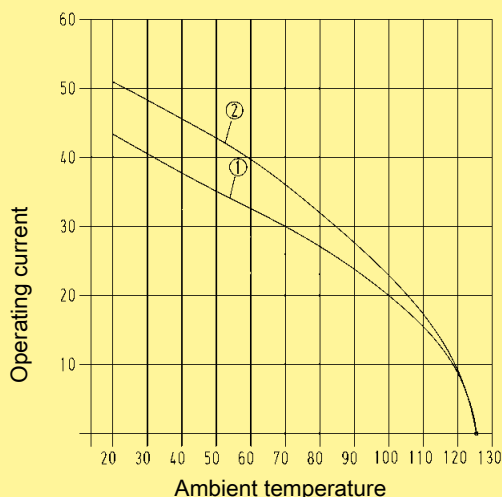
The Han-Power® S connector is suitable for the assembly of serial power bus. Having assembled the energy supply Han-Power® S can be inserted at any place of the power cable. The cable mantle has to be removed, the conductor is placed without interruption in the IDC.

Han-Power® S is suitable for cables with single strands manufactured acc. to DIN VDE 0281/ DIN EN 60 228 with wire gauges of 2.5 mm² up to 6 mm². 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.

Current carrying capacity

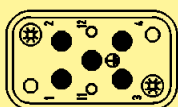
The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the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

Measuring and testing techniques according to DIN EN 60 512-5



① Han® Q 4/2 Wire gauge: 4 mm²

② Han® Q 4/2 Wire gauge: 6 mm²



Han® Q 4/2 fully loaded
with wire gauge 4x 6 mm²

Technical characteristics

Specifications	DIN EN 61 984 DIN EN 60 664-1
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Han-Power® S

Number of contacts	
- Power contacts	4 + PE
- Signal contacts	2

Electrical data acc. to EN 61 984	
<u>Power side</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 side</u>	10 A 250 V 4 kV 3
Rated current	10 A
Rated voltage	250 V
Rated impulse voltage	4 kV
Pollution degree	3

Rated voltage acc. to UL/CSA	600 / 250 V
Insulation resistance	≥ 10 ¹⁰ kΩ
Material	polycarbonate
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- mating cycles	≥ 500
Degree of protection acc. to DIN EN 60 529	IP 65

Contacts

Material	copper alloy
Surface	
- hard-silver plated	3 μm Ag
- hard-gold plated	2 μm Au over 3 μm Ni
Contact resistance	≤ 0.3 mΩ
Crimp terminal	
- mm ²	2.5 ... 6 mm ² / 0.14 ... 2.5 mm ²
- AWG	14 ... 10 / 26 ... 14
Max. insulation diameter	
- Power contacts	5 mm

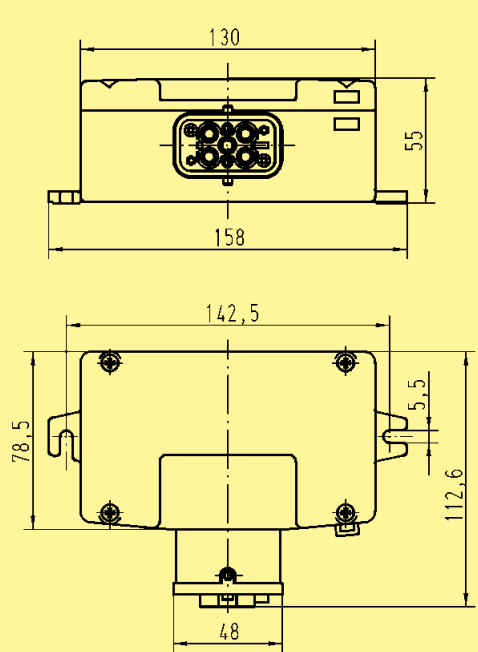
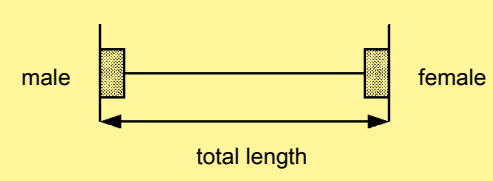
Cables

Design of conductor acc. to	DIN VDE 0281 DIN EN 60 228
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<u>Single strand</u>	
Wire gauge	2.5 mm ²
- Number of single strands	50 x 0.25 mm Ø
- Outer diameter	3.6 mm
Wire gauge	4 mm ²
- Number of single strands	56 x 0.3 mm Ø
- Outer diameter	4.2 mm
Wire gauge	6 mm ²
- Number of single strands	84 x 0.3 mm Ø
- Outer diameter	4.8 mm



with 1x Han® Q 4/2

Identification		Part number	Drawing	Dimensions in mm
Han-Power® S				
Power supply				
Han® Q 4/2; 1 moulded				
Han-Compact® Hoods	2.5 - 4 mm²	09 12 008 4804		
	4 - 6 mm²	09 12 008 4806		
Identification		Part number	Drawing	Dimensions in mm
System cables in fixed lengths				
Cable lengths (total length) in m	1.5	20 88 641 1015		
pre-assembled on both sides	3	20 88 641 1030		
plastic hood, black	5	20 88 641 1050		
top entry	10	20 88 641 1100		
cable to cable hood with male insert	15	20 88 641 1150		
and hood with female insert	30	20 88 641 1300		
cable: 5x 4 mm²				

Features

- 6 IDCs + PE for 4 mm² up to 6 mm² wire gauge
- No interruption of the energy supply
- Space-saving and compact design
- Leading protective ground within the insert
- Assembly with standard tools

Description

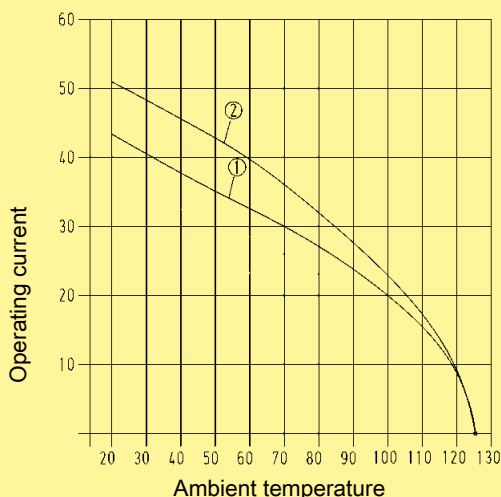
The Han-Power® S connector is suitable for the assembly of serial power bus. Having assembled the energy supply Han-Power® S can be inserted at any place of the power cable. The cable mantle has to be removed, the conductor is placed without interruption in the IDC.

Han-Power® S is suitable for cables with single strands manufactured acc. to DIN VDE 0281/ DIN EN 60 228 with wire gauges of 2.5 mm² up to 6 mm². 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® hood.

Current carrying capacity

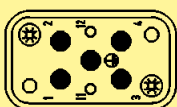
The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the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

Measuring and testing techniques according to DIN EN 60 512-5



① Han® Q 4/2 Wire gauge: 4 mm²

② Han® Q 4/2 Wire gauge: 6 mm²



Han® Q 4/2 fully loaded
with wire gauge 4x 6 mm²

Technical characteristics

Specifications	DIN EN 61 984 DIN EN 60 664-1
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Han-Power® S

Number of contacts	
- Power contacts	4 + PE
- Signal contacts	2

Electrical data
acc. to EN 61 984

<u>Power side</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 side</u>	10 A 250 V 4 kV 3
Rated current	10 A
Rated voltage	250 V
Rated impulse voltage	4 kV
Pollution degree	3

Rated voltage acc. to UL/CSA	600 / 250 V
Insulation resistance	≥ 10 ¹⁰ kΩ
Material	polycarbonate
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- mating cycles	≥ 500
Degree of protection acc. to DIN EN 60 529	IP 65

Contacts

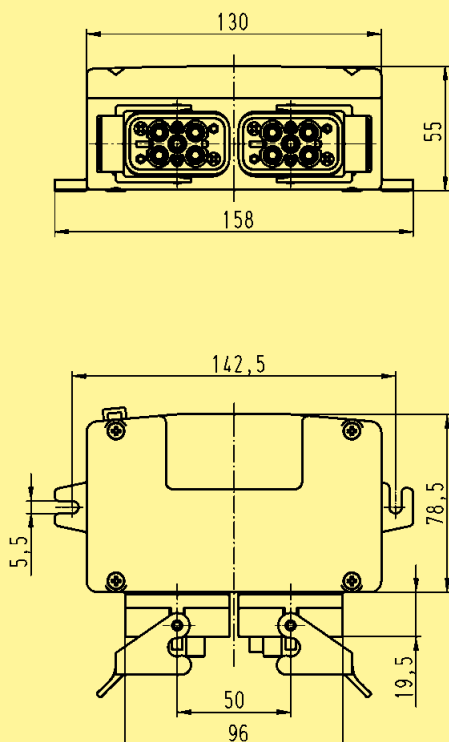
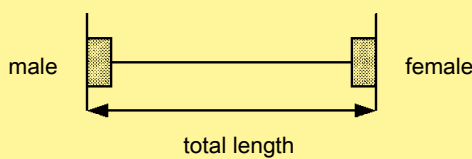
Material	copper alloy
Surface	
- hard-silver plated	3 μm Ag
- hard-gold plated	2 μm Au over 3 μm Ni
Contact resistance	≤ 0.3 mΩ
Crimp terminal	
- mm ²	4 ... 6 mm ² / 0.14 ... 2.5 mm ²
- AWG	14 ... 10 / 26 ... 14
Max. insulation diameter	
- Power contacts	5 mm

Cables

Design of conductor acc. to	DIN VDE 0281 DIN EN 60 228
<u>Single strand</u>	
Wire gauge	4 mm ²
- Number of single strands	56 x 0.3 mm Ø
- Outer diameter	4.2 mm
Wire gauge	6 mm ²
- Number of single strands	84 x 0.3 mm Ø
- Outer diameter	4.8 mm



with 2x Han® Q 4/2

Identification	Part number	Drawing	Dimensions in mm
Han-Power® S Power supply Han® Q 4/2; 2 screwed Han-Compact® Housings, bulkhead mounting	09 12 008 4807		
System cables in fixed lengths Cable lengths (total length) in m pre-assembled on both sides plastic hood, black top entry cable to cable hood with male insert and hood with female insert cable: 5x 4 mm²	1.5 20 88 641 1015 3 20 88 641 1030 5 20 88 641 1050 10 20 88 641 1100 15 20 88 641 1150 30 20 88 641 1300		

Power
Distribution

15
05

Stock items in bold type

Features

- 6 IDCs + PE for 2.5 mm² up to 6 mm² wire gauge
- No interruption of the energy supply
- Space-saving and compact design
- Leading protective ground within the insert
- Assembly with standard tools

Description

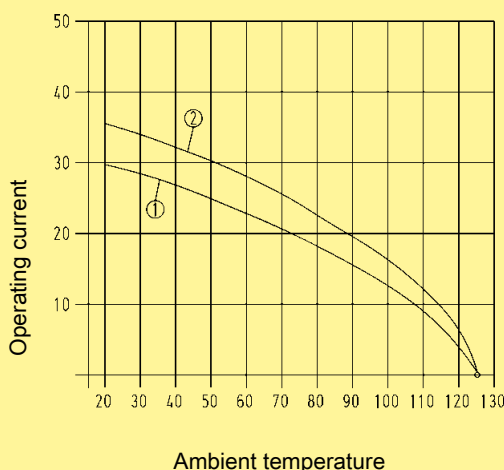
The Han-Power® S connector is suitable for the assembly of serial power bus. Having assembled the energy supply Han-Power® S can be inserted at any place of the power cable. The cable mantle has to be removed, the conductor is placed without interruption in the IDC.

Han-Power® S is suitable for cables with single strands manufactured acc. to DIN VDE 0281/ DIN EN 60 228 with wire gauges of 2.5 mm² up to 6 mm². 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.

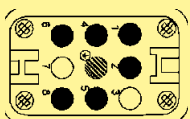
Current carrying capacity

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 according to DIN EN 60 512-5



- ① Han® Q 4/2 Wire gauge: 2.5 mm²
- ② Han® Q 4/2 Wire gauge: 4 mm²
- ② Han® Q 4/2 Wire gauge: 6 mm²



Han® Q 8/0 partly loaded
with wire gauge 7x 4 mm²

Technical characteristics

Specifications	DIN EN 61 984 DIN EN 60 664-1
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Han-Power® S

Number of contacts	
- Power contacts	6 + PE
Electrical data	
acc. to EN 61 984	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/CSA	600 V
Insulation resistance	≥ 10 ¹⁰ kΩ
Material	polycarbonate
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- mating cycles	≥ 500
Degree of protection acc. to DIN EN 60 529	IP 65

Contacts

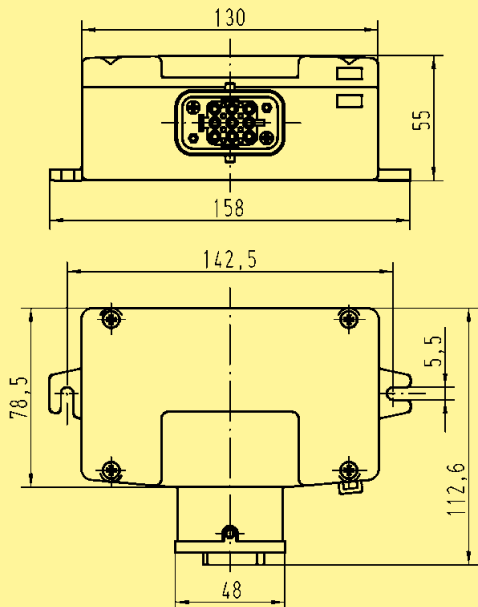
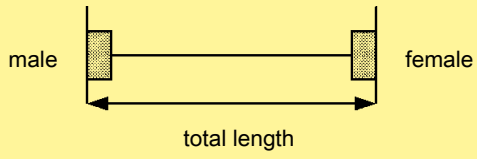
Material	copper alloy
Surface	
- hard-silver plated	3 µm Ag
Contact resistance	≤ 1 mΩ
Crimp terminal	
- mm ²	2.5 ... 6 mm ²
- AWG	14 ... 10

Cables

Design of conductor acc. to	DIN VDE 0281 DIN EN 60 228
Single strand	
Wire gauge	2.5 mm ²
- Number of single strands	50 x 0.25 mm Ø
- Outer diameter	3.6 mm
Wire gauge	4 mm ²
- Number of single strands	56 x 0.3 mm Ø
- Outer diameter	4.2 mm
Wire gauge	6 mm ²
- Number of single strands	84 x 0.3 mm Ø
- Outer diameter	4.8 mm



with 1x Han® Q 8/0

Identification		Part number	Drawing	Dimensions in mm
Han-Power® S Power supply Han® Q 8/0; 1 moulded Han-Compact® Hoods	2.5 - 4 mm²	09 12 008 4801		
	4 - 6 mm²	09 12 008 4811		
Identification		Part number	Drawing	Dimensions in mm
System cables in fixed lengths Cable lengths (total length) in m pre-assembled on both sides plastic hood, black top entry cable to cable hood with male insert and hood with female insert cable: 7x 2.5 mm²	1.5	20 88 841 0015		
	3	20 88 841 0030		
	5	20 88 841 0050		
	10	20 88 841 0100		
	15	20 88 841 0150		
	30	20 88 841 0300		

Features

- 6 IDCs + PE for 2.5 mm² up to 4 mm² wire gauge
- No interruption of the energy supply
- Space-saving and compact design
- Leading protective ground within the insert
- Assembly with standard tools

Description

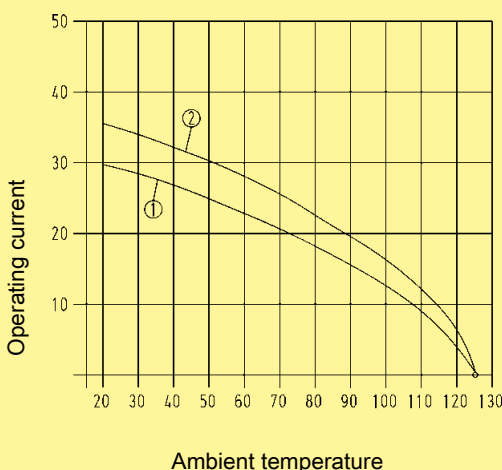
The Han-Power® S connector is suitable for the assembly of serial power bus. Having assembled the energy supply Han-Power® S can be inserted at any place of the power cable. The cable mantle has to be removed, the conductor is placed without interruption in the IDC.

Han-Power® S is suitable for cables with single strands manufactured acc. to DIN VDE 0281/ DIN EN 60 228 with wire gauges of 2.5 mm² up to 6 mm². For the distribution of the device Han-Compact® hoods or cable to cable housings are used. This power supply has to be realized with two Han-Compact® hoods.

Current carrying capacity

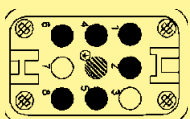
The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the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

Measuring and testing techniques according to DIN EN 60 512-5



① Han® Q 8/0 Wire gauge: 2.5 mm²

② Han® Q 8/0 Wire gauge: 4 mm²



Han® Q 8/0 partly loaded
with wire gauge 7x 4 mm²

Technical characteristics

Specifications	DIN EN 61 984 DIN EN 60 664-1
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Han-Power® S

Number of contacts	
- Power contacts	6 + PE
Electrical data	
acc. to EN 61 984	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/CSA	600 V
Insulation resistance	≥ 10 ¹⁰ kΩ
Material	polycarbonate
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- mating cycles	≥ 500
Degree of protection acc. to DIN EN 60 529	IP 65

Contacts

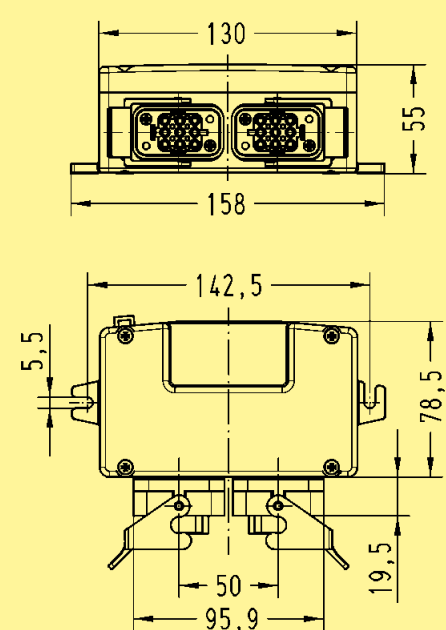
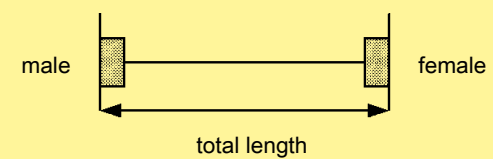
Material	copper alloy
Surface	
- hard-silver plated	3 µm Ag
Contact resistance	≤ 1 mΩ
Crimp terminal	
- mm ²	2.5 ... 4 mm ²
- AWG	14 ... 12

Cables

Design of conductor acc. to	DIN VDE 0281 DIN EN 60 228
Single strand	
Wire gauge	2.5 mm ²
- Number of single strands	50 x 0.25 mm Ø
- Outer diameter	3.6 mm
Wire gauge	4 mm ²
- Number of single strands	56 x 0.3 mm Ø
- Outer diameter	4.2 mm



with 2x Han® Q 8/0

Identification	Part number	Drawing	Dimensions in mm
Han-Power® S Power supply Han® Q 8/0; 2 screwed Han-Compact® Housings, bulkhead mounting	09 12 008 4802		2.5 - 4 mm²
Identification	Part number	Drawing	Dimensions in mm
System cables in fixed lengths Cable lengths (total length) in m pre-assembled on both sides plastic hood, black top entry hood on both sides cable: 7x 2.5 mm²	1.5 3 5 10 15 30		20 88 821 0015 20 88 821 0030 20 88 821 0050 20 88 821 0100 20 88 821 0150 20 88 821 0300

Features

- 6 IDCs/screw terminals + PE for 4 mm² up to 6 mm² wire gauge; 4 IDCs + PE for 10 mm² wire gauge
- No interruption of the energy supply
- Space-saving and compact design
- Leading protective ground within the insert
- Assembly with standard tools

Description

Han-Power® S metal version allows the realisation of applications where a high degree of protection is required against dust, splashed water and mechanical shock. This new variant continues to support the user in providing simple installation and maintenance practices but now offers greater protection against harsh industrial environments.

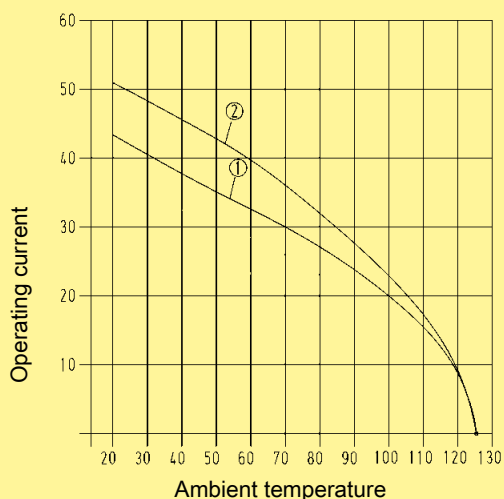
Han-Power® S metal offers optimal handling characteristics and now features an increased wire gauge range. It is now possible to realise power distribution networks with wire gauge up to 10 mm².

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

Current carrying capacity

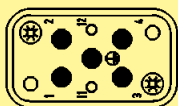
The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the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

Measuring and testing techniques according to DIN EN 60 512-5



① Han® Q 4/2 Wire gauge: 4 mm²

② Han® Q 4/2 Wire gauge: 6 mm²



Han® Q 4/2 fully loaded
with wire gauge 4x 6 mm²

Technical characteristics

Specifications

DIN EN 61 984
DIN EN 60 664-1

Han-Power® S

Number of contacts

- Power contacts 4 + PE
- Signal contacts 2

Electrical data

acc. to EN 61 984

Power side 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

Signal side

10 A 250 V 4 kV 3

- Rated current 10 A
- Rated voltage 250 V
- Rated impulse voltage 4 kV
- Pollution degree 3

Rated voltage

acc. to UL/CSA

600 / 250 V

Insulation resistance

≥ 10¹⁰ kΩ

Material

aluminium die-cast

Limiting temperatures

-40 °C ... +125 °C

Flammability acc. to UL 94

V 0

Mechanical working life

- mating cycles ≥ 500

Degree of protection acc. to DIN EN 60 529

IP 65

Contacts

Material

copper alloy

Surface

- hard-silver plated 3 µm Ag
- hard-gold plated 2 µm Au over 3 µm Ni

Contact resistance

≤ 0.3 mΩ

Crimp terminal

- mm² 4 ... 10 mm² / 0.14 ... 2.5 mm²
- AWG 12 ... 8 / 26 ... 14

Max. insulation diameter

- Power contacts 5 mm

Cables

Design of conductor acc. to

DIN VDE 0281
DIN EN 60 228

Single strand

- Wire gauge 4 mm²
- Number of single strands 56 x 0.3 mm Ø
- Outer diameter 4.2 mm
- Wire gauge 6 mm²
- Number of single strands 84 x 0.3 mm Ø
- Outer diameter 4.8 mm
- Wire gauge 10 mm²
- Number of single strands 80 x 0.4 mm Ø
- Outer diameter 6.3 mm



with 1x Han® Q 4/2, metal

Identification	Part number	Drawing	Dimensions in mm
Han-Power® S Power supply Han® Q 4/2; 1 screwed Han-Compact® Housings, bulkhead mounting			
4 - 6 mm²	09 12 008 4901		
10 mm²	09 12 008 4951		

Power
Distribution

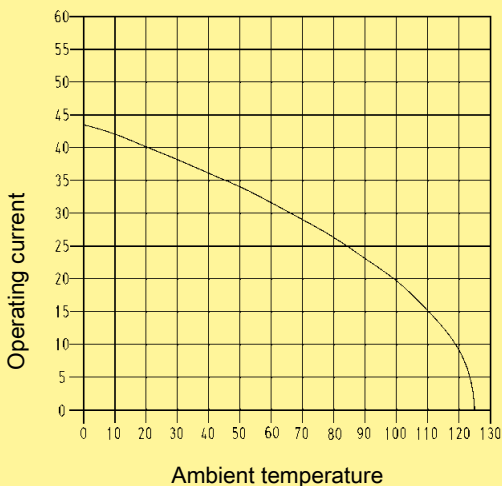
Features

- Per 1 connection for power input, power output and to device
- Male and female inserts finger protected
- 4 power contacts; 2 signal contacts
- Metal housing
- Locking lever stainless steel

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 according to DIN EN 60 512-5



Wire gauge: 4 mm²

Technical characteristics

Specifications	DIN EN 61 984 DIN EN 60 664-1
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Han-Power® T

Number of contacts	
- Power contacts	4 + PE
- Signal contacts	2

Electrical data
acc. to EN 61 984

<u>Power side</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 side</u>	10 A 250 V 4 kV 3
Rated current	10 A
Rated voltage	250 V
Rated impulse voltage	4 kV
Pollution degree	3

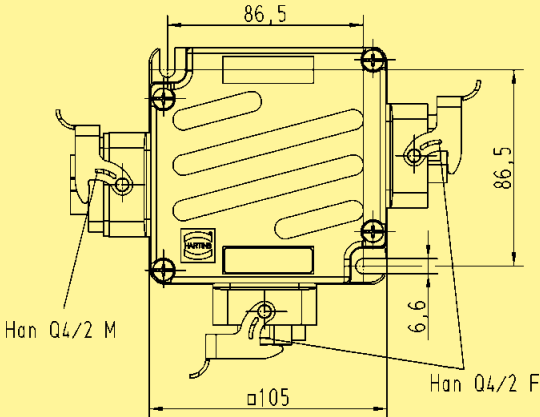
Rated voltage acc. to UL/CSA	600 / 250 V
Insulation resistance	≥ 10 ¹⁰ Ω
Material	zinc die-cast
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- mating cycles	≥ 500
Degree of protection acc. to DIN EN 60 529	IP 65

Contacts

Material	copper alloy
Surface	
- hard-silver plated	3 μm Ag
- hard-gold plated	2 μm Au over 3 μm Ni
Contact resistance	≤ 0.3 mΩ
Crimp terminal	
- mm ²	4 ... 6 mm ² / 0.14 ... 2.5 mm ²
- AWG	12 ... 10 / 26 ... 14
Max. insulation diameter	
- Power contacts	5 mm



with 3x Han® Q 4/2

Identification	Part number	Drawing	Dimensions in mm
Han-Power® T Power supply with 3x Han® Q 4/2 in Han-Compact® Housings, bulkhead mounting 4 mm² 	09 12 008 4720		Power Distribution

Features

- 1 connection for power input and power output each
- 1 T-connection to device
- 3 power contacts; 4 signal contacts
- Metal housing
- Locking lever Han-Easy Lock®

Technical characteristics

Specifications	DIN EN 61 984 DIN EN 60 664-1
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Han-Power® T

Number of contacts	
- Power contacts	3
- Signal contacts	4
Electrical data acc. to EN 61 984	
<u>Power side</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 side</u>	16 A 400 V 6 kV 3
Rated current	16 A
Rated voltage	400 V
Rated impulse voltage	6 kV
Pollution degree	3
Rated voltage acc. to UL/CSA	600 / V
Insulation resistance	$\geq 10^{10} \Omega$
Material	zinc die-cast
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- mating cycles	≥ 500
Degree of protection acc. to DIN EN 60 529	IP 65

Contacts

Han® C module with Crimp terminal *

Number of contacts	3
Electrical data acc. to EN 61 984	40 A 400/690 V 6 kV 3
Material	polycarbonate
Insulation resistance	$\geq 10^{10} \Omega$
Temperature range	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Crimp terminal	
- mm ²	2.5 ... 6 mm ²
- AWG	14 ... 10

Han® EE module with Crimp terminal *

Number of contacts	8
Electrical data acc. to EN 61 984	16 A 400 V 6 kV 3
Material	polycarbonate
Insulation resistance	$\geq 10^{10} \Omega$
Temperature range	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Crimp terminal	
- mm ²	0.14 ... 2.5 mm ²
- AWG	26 ... 14

* for more technical details see chapter 06



with 3x Han-Modular® Twin

Identification

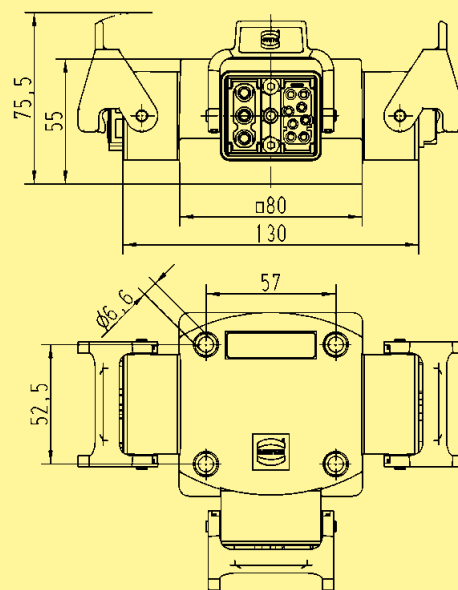
Han-Power® T
Power supply
with 3x Han-Modular® Twin



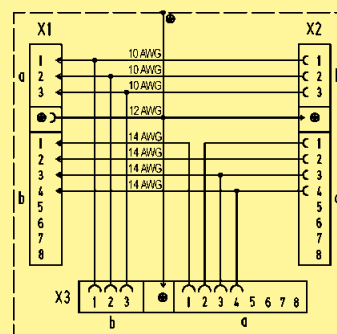
Part number

09 12 008 4760

Drawing



Wiring diagram



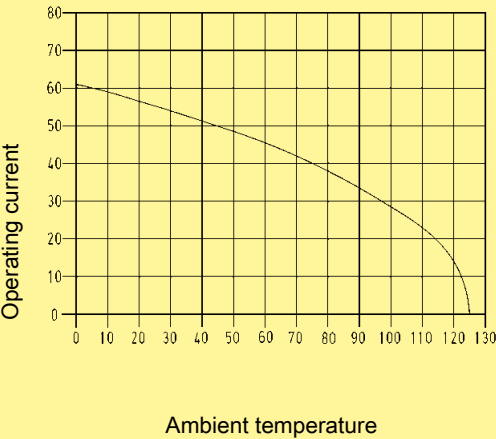
Power
Distribution

Features

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

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 according to DIN EN 60 512-5



Wire gauge: 6 mm²

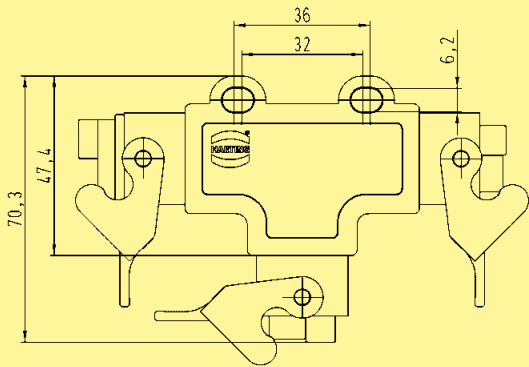
Technical characteristics

Specifications	DIN EN 61 984 DIN EN 60 664-1
Han-Power® T	
Number of contacts	
- Power contacts	2 + PE
Electrical data	
acc. to EN 61 984	
Power side	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/CSA	600 V
Insulation resistance	≥ 10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- mating cycles	≥ 500
Degree of protection acc. to DIN EN 60 529	IP 65 / IP 67

Contacts	
Material	copper alloy
Surface	
- hard-silver plated	3 µm Ag
Contact resistance	≤ 1 mΩ
Crimp terminal	
- mm²	2.5 ... 10 mm²
- AWG	14 ... 8



with 3x Han® Q 2/0

Identification	Part number	Drawing	Dimensions in mm
Han-Power® T Power supply with 3x Han® Q 2/0 in Han® 3 A Housings, bulkhead mounting  6 mm²	09 12 008 4752		

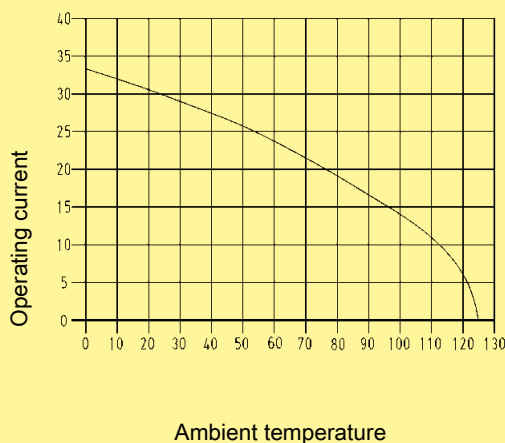
Features

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

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 according to DIN EN 60 512-5



Ambient temperature

Wire gauge: 2.5 mm²

Technical characteristics

Specifications	DIN EN 61 984 DIN EN 60 664-1
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Han-Power® T

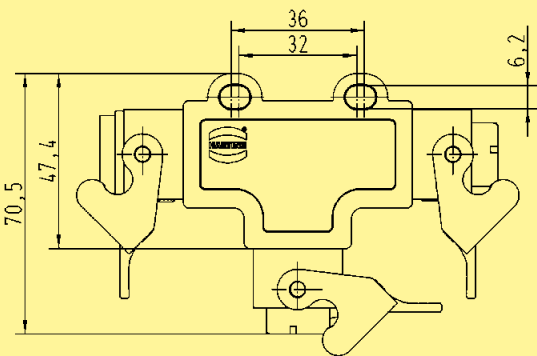
Number of contacts	
- Power contacts	4 + PE
Electrical data	
acc. to EN 61 984	16 A 230/400 V 4 kV 3
Rated current	16 A
Rated voltage conductor - ground	230 V
Rated voltage conductor - conductor	400 V
Rated impulse voltage	4 kV
Pollution degree	3
Rated voltage	
acc. to UL/CSA	600 V
Insulation resistance	≥ 10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- mating cycles	≥ 500
Degree of protection acc. to DIN EN 60 529	IP 65 / IP 67

Contacts

Material	copper alloy
Surface	
- hard-silver plated	3 µm Ag
- hard-gold plated	2 µm Au over 3 µm Ni
Contact resistance	≤ 1 mΩ
Crimp terminal	
- mm ²	0.14 ... 2.5 mm ²
- AWG	26 ... 14



with 3x Han® Q 5/0

Identification	Part number	Drawing	Dimensions in mm
Han-Power® T Power supply with 3x Han® Q 5/0 in Han® 3 A Housings, bulkhead mounting  2,5 mm²	09 12 008 4751		

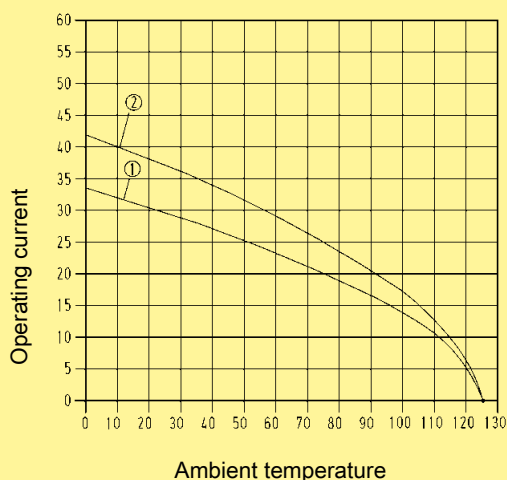
Features

- 4 power contacts Han® C and 2 signal contacts Han D®
- Finger protection
- Leading protective ground with crimp terminal
- Inserts suitable for metal and plastic hoods and housings of Han-Compact® series (not suitable for 19 12 008 0501, 19 12 708 0501 and 19 12 008 0502)
- 3 coding possibilities by using a coding pin instead of fixing screw

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 according to DIN EN 60 512-5



Wire gauge:

① 2.5 mm²

② 4 mm²

Technical characteristics

Specifications DIN EN 60 664-1
DIN EN 61 984

Approvals



Inserts

Number of contacts	4 / 2 + PE
Electrical data acc. to EN 61 984	
Power side	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
Signal side	10 A 250 V 4 kV 3
Rated current	10 A
Rated voltage	250 V
Rated impulse voltage	4 kV
Pollution degree	3

Rated voltage acc. to UL/CSA	600 / 250 V
Insulation resistance	≥ 10 ¹⁰ Ω
Material	polycarbonate
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 µm Au over 3 µm Ni
Contact resistance	≤ 0.3 mΩ
Crimp terminal	
- mm²	1.5 ... 6 mm² / 0.14 ... 2.5 mm²
- AWG	16 ... 10 / 26 ... 14
Max. insulation diameter - Power contacts	5 mm

Hoods/Housings

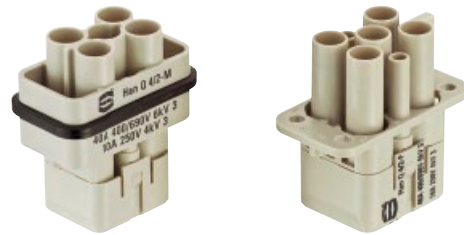
Plastic hoods/housings	
Material	polycarbonate
Locking element	Polyamide
Hoods/Housings sealing	NBR
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Degree of protection acc. to DIN EN 60 529 for coupled connector	IP 65

Accessories

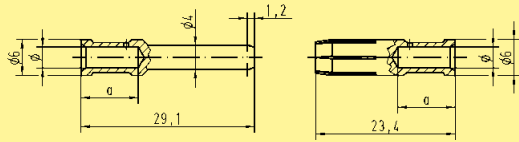
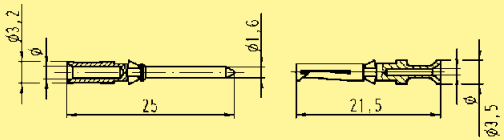
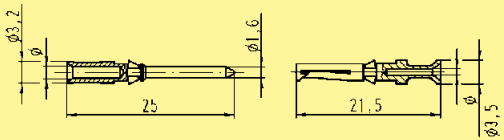
Crimping tools	chapter 99
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Number of contacts

4/2 +



Identification	Part number		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
Crimp terminal Order crimp contacts separately	09 12 006 3041	09 12 006 3141	Contact arrangement view from termination side	

Identification	Wire gauge (mm²)	Part number		Drawing	Dimensions in mm																																			
		Male contact	Female contact																																					
Crimp contacts																																								
Han® C contacts																																								
Power contacts																																								
silver plated	1.5	09 32 000 6104	09 32 000 6204																																					
	2.5	09 32 000 6105	09 32 000 6205																																					
	4	09 32 000 6107	09 32 000 6207																																					
	6	09 32 000 6108	09 32 000 6208																																					
																																								
Han D® contacts																																								
Signal contacts																																								
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																																					
																																								
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																																					
																																								
<table><tr><th colspan="3">Wire gauge</th><th>Ø</th><th>Stripping length</th></tr><tr><td>1.5</td><td>mm²</td><td>AWG 16</td><td>1.75</td><td>9 mm</td></tr><tr><td>2.5</td><td>mm²</td><td>AWG 14</td><td>2.25</td><td>9 mm</td></tr><tr><td>4</td><td>mm²</td><td>AWG 12</td><td>2.85</td><td>9.6 mm</td></tr><tr><td>6</td><td>mm²</td><td>AWG 10</td><td>3.5</td><td>9.6 mm</td></tr></table>						Wire gauge			Ø	Stripping length	1.5	mm²	AWG 16	1.75	9 mm	2.5	mm²	AWG 14	2.25	9 mm	4	mm²	AWG 12	2.85	9.6 mm	6	mm²	AWG 10	3.5	9.6 mm										
Wire gauge			Ø	Stripping length																																				
1.5	mm²	AWG 16	1.75	9 mm																																				
2.5	mm²	AWG 14	2.25	9 mm																																				
4	mm²	AWG 12	2.85	9.6 mm																																				
6	mm²	AWG 10	3.5	9.6 mm																																				
<table><tr><th colspan="3">Wire gauge</th><th>Ø</th><th>Stripping length</th></tr><tr><td>0.14-0.37</td><td>mm²</td><td>AWG 26-22</td><td>0.9</td><td>8 mm</td></tr><tr><td>0.5</td><td>mm²</td><td>AWG 20</td><td>1.1</td><td>8 mm</td></tr><tr><td>0.75</td><td>mm²</td><td>AWG 18</td><td>1.3</td><td>8 mm</td></tr><tr><td>1</td><td>mm²</td><td>AWG 18</td><td>1.45</td><td>8 mm</td></tr><tr><td>1.5</td><td>mm²</td><td>AWG 16</td><td>1.75</td><td>8 mm</td></tr><tr><td>2.5</td><td>mm²</td><td>AWG 14</td><td>2.25</td><td>6 mm</td></tr></table>						Wire gauge			Ø	Stripping length	0.14-0.37	mm²	AWG 26-22	0.9	8 mm	0.5	mm²	AWG 20	1.1	8 mm	0.75	mm²	AWG 18	1.3	8 mm	1	mm²	AWG 18	1.45	8 mm	1.5	mm²	AWG 16	1.75	8 mm	2.5	mm²	AWG 14	2.25	6 mm
Wire gauge			Ø	Stripping length																																				
0.14-0.37	mm²	AWG 26-22	0.9	8 mm																																				
0.5	mm²	AWG 20	1.1	8 mm																																				
0.75	mm²	AWG 18	1.3	8 mm																																				
1	mm²	AWG 18	1.45	8 mm																																				
1.5	mm²	AWG 16	1.75	8 mm																																				
2.5	mm²	AWG 14	2.25	6 mm																																				

Power
Distribution15
21

Stock items in bold type

Features

- 8 contact chambers for crimp contacts of Han E® series
- Space-saving and compact design
- Leading protective ground with crimp terminal
- Inserts suitable for metal and plastic hoods and housings of Han-Compact® series
- ISO 23 570 / DESINA conform product



Technical characteristics

Specifications DIN EN 60 664-1
DIN EN 61 984

Approvals



Inserts

Number of contacts	8 + PE
Electrical data acc. to EN 61 984	
Mounted plastic hood	16 A 500 V 6 kV 3
Rated current	16 A
Rated voltage	500 V
Rated impulse voltage	6 kV
Pollution degree	3
Pollution degree 2 also	16 A 400/690 V 6 kV 2
Mounted metal hood	16 A 230/400 V 4 kV 3

Rated voltage acc. to UL/CSA	500 V
Insulation resistance	$\geq 10^{10} \Omega$
Material	polycarbonate
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 μm Au over 3 μm Ni
Contact resistance	$\leq 1 \text{ m}\Omega$
Crimp terminal	
- mm ²	0.14 ... 4 mm ² partly loaded up to 4 mm ² is possible
- AWG	26 ... 12

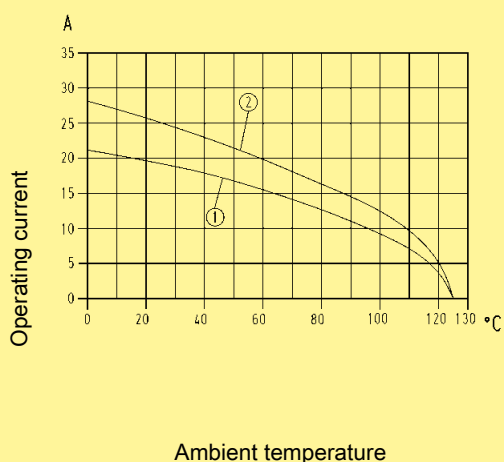
Hoods/Housings

Plastic hoods/housings	
Material	polycarbonate
Locking element	Polyamide
Hoods/Housings sealing	NBR
Limiting temperatures	-40 °C ... 125 °C
Flammability acc. to UL 94	V 0
Degree of protection acc. to DIN EN 60 529 for coupled connector	IP 65
Hoods/Housings, metal	
Material	zinc die-cast
Locking element	Stainless steel
Hoods/Housings sealing	NBR
Limiting temperatures	-40 °C ... 125 °C
Degree of protection acc. to DIN EN 60 529 for coupled connector	IP 65

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 according to DIN EN 60 512-5



Wire gauge: ① 1.5 mm²

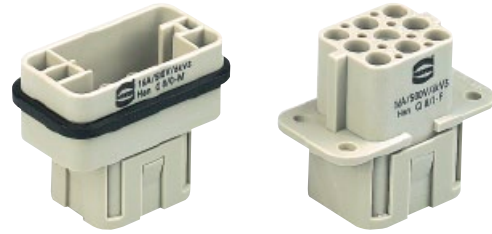
② 2.5 mm²

Accessories

Crimping tools	chapter 99
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Number of contacts

8 +



Identification	Part number		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
Crimp terminal Order crimp contacts separately	09 12 008 3001	09 12 008 3101		Contact arrangement view from termination side
Coding pin 		09 33 000 9954		Use of the coding pin prevents incorrect mating to other connectors of the same type. The male pin should be omitted from the opposing cavity in the male insert.

Identification	Wire gauge (mm²)	Part number		Drawing	Dimensions in mm
		Male contact	Female contact		
Crimp contacts Power contacts silver plated 	0.14-0.37 0.5 0.75 1 1.5 2.5 4	09 33 000 6127 09 33 000 6121 09 33 000 6114 09 33 000 6105 09 33 000 6104 09 33 000 6102 09 33 000 6107	09 33 000 6227 09 33 000 6220 09 33 000 6214 09 33 000 6205 09 33 000 6204 09 33 000 6202 09 33 000 6207		Operating contact Identification Relay contact
gold plated 	0.14-0.37 0.5 0.75 1 1.5 2.5 4	09 33 000 6117 09 33 000 6122 09 33 000 6115 09 33 000 6118 09 33 000 6116 09 33 000 6123 09 33 000 6119	09 33 000 6217 09 33 000 6222 09 33 000 6215 09 33 000 6218 09 33 000 6216 09 33 000 6223 09 33 000 6221		
Relay contact silver plated 	0.75-1 1.5 2.5	09 33 000 6109 09 33 000 6110 09 33 000 6111			

Identification	Wire gauge		Stripping length
no groove	0.14-0.37 mm²	AWG 26-22	7.5 mm
no groove	0.5 mm²	AWG 20	7.5 mm
1 groove*	0.75 mm²	AWG 18	7.5 mm
1 groove	1 mm²	AWG 18	7.5 mm
2 grooves	1.5 mm²	AWG 16	7.5 mm
3 grooves	2.5 mm²	AWG 14	7.5 mm
no groove	4 mm²	AWG 12	7.5 mm

* on the back crimp collar

F.O. contacts for 1 mm plastic fibre		20 10 001 3311	20 10 001 3321		Crimp zone Crimp zone
--	--	-----------------------	-----------------------	--	--

Crimp contacts 0.14 ... 0.37 mm² only used with BUCHANAN crimping tool 09 99 000 0001

Stock items in bold typePower
Distribution15
23

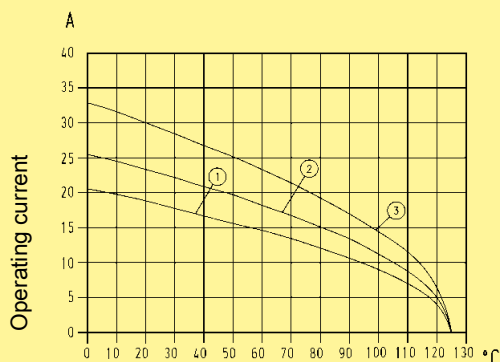
Features

- 5 contact chambers for crimp contacts of Han E® series
- Space-saving and compact design
- Leading protective ground with screw terminal
- Compatible with plastic and metal hoods of series Han® 3 A

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 according to DIN EN 60 512-5



Ambient temperature

Wire gauge:

- ① 1.0 mm²
- ② 1.5 mm²
- ③ 2.5 mm²

Technical characteristics

Specifications DIN EN 60 664-1
DIN EN 61 984

Approvals



Inserts

Number of contacts	5 + PE
Electrical data	
acc. to EN 61 984	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
Pollution degree 2 also	16 A 320/500 V 4 kV 2
Rated voltage	
acc. to UL/CSA	600 V
Insulation resistance	≥ 10 ¹⁰ Ω
Material	polycarbonate
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 µm Au over 3 µm Ni
Contact resistance	≤ 1 mΩ
Crimp terminal	
- mm²	0.14 ... 2.5 mm²
- AWG	26 ... 14
PE screw terminal	
- mm²	2.5 mm²
- AWG	14

Hoods/Housings

Selection of hoods/housings see chapter 30 / chapter 31

Plastic hoods/housings

Material	polycarbonate
Flammability acc. to UL 94	V 0
Degree of protection acc. to DIN EN 60 529 for coupled connector	IP 67

Hoods/Housings, metal

Material	zinc die-cast
Degree of protection acc. to DIN EN 60 529 for coupled connector	IP 44
screw	IP 67 is achieved with seal 09 20 000 9918

Accessories

Crimping tools	chapter 99
Cable clamps	chapter 40
Sealing screw	chapter 40

Number of contacts

5 +



Identification		Part number		Drawing	Dimensions in mm
		Male insert (M)	Female insert (F)		
Crimp terminal Order crimp contacts separately		09 12 005 3001	09 12 005 3101	Contact arrangement view from termination side	
Coding pin 			09 33 000 9954		Use of the coding pin prevents incorrect mating to other connectors of the same type. The male pin should be omitted from the opposing cavity in the male insert.

Identification		Wire gauge (mm²)	Part number		Drawing	Dimensions in mm																												
			Male contact	Female contact																														
Crimp contacts					Operating contact Identification Relay contact <table><tr><th>Identification</th><th colspan="2">Wire gauge</th><th>Stripping length</th></tr><tr><td>no groove</td><td>0.14-0.37 mm²</td><td>AWG 26-22</td><td>7.5 mm</td></tr><tr><td>no groove</td><td>0.5 mm²</td><td>AWG 20</td><td>7.5 mm</td></tr><tr><td>1 groove*</td><td>0.75 mm²</td><td>AWG 18</td><td>7.5 mm</td></tr><tr><td>1 groove</td><td>1 mm²</td><td>AWG 18</td><td>7.5 mm</td></tr><tr><td>2 grooves</td><td>1.5 mm²</td><td>AWG 16</td><td>7.5 mm</td></tr><tr><td>3 grooves</td><td>2.5 mm²</td><td>AWG 14</td><td>7.5 mm</td></tr></table> * on the back crimp collar	Identification	Wire gauge		Stripping length	no groove	0.14-0.37 mm²	AWG 26-22	7.5 mm	no groove	0.5 mm²	AWG 20	7.5 mm	1 groove*	0.75 mm²	AWG 18	7.5 mm	1 groove	1 mm²	AWG 18	7.5 mm	2 grooves	1.5 mm²	AWG 16	7.5 mm	3 grooves	2.5 mm²	AWG 14	7.5 mm	
Identification	Wire gauge		Stripping length																															
no groove	0.14-0.37 mm²	AWG 26-22	7.5 mm																															
no groove	0.5 mm²	AWG 20	7.5 mm																															
1 groove*	0.75 mm²	AWG 18	7.5 mm																															
1 groove	1 mm²	AWG 18	7.5 mm																															
2 grooves	1.5 mm²	AWG 16	7.5 mm																															
3 grooves	2.5 mm²	AWG 14	7.5 mm																															
Power contacts																																		
silver plated		0.14-0.37	09 33 000 6127	09 33 000 6227																														
		0.5	09 33 000 6121	09 33 000 6220																														
		0.75	09 33 000 6114	09 33 000 6214																														
		1	09 33 000 6105	09 33 000 6205																														
		1.5	09 33 000 6104	09 33 000 6204																														
		2.5	09 33 000 6102	09 33 000 6202																														
gold plated		0.14-0.37	09 33 000 6117	09 33 000 6217																														
		0.5	09 33 000 6122	09 33 000 6222																														
		0.75	09 33 000 6115	09 33 000 6215																														
		1	09 33 000 6118	09 33 000 6218																														
		1.5	09 33 000 6116	09 33 000 6216																														
		2.5	09 33 000 6123	09 33 000 6223																														
Relay contact silver plated		0.75-1	09 33 000 6109																															
		1.5	09 33 000 6110																															
		2.5	09 33 000 6111																															

F.O. contacts					Crimp zone Crimp zone
for 1 mm plastic fibre			20 10 001 3311	20 10 001 3321	

Crimp contacts 0.14 ... 0.37 mm² only used with BUCHANAN crimping tool 09 99 000 0001

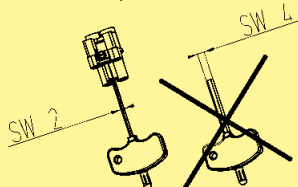
Stock items in bold type

Features

- Compact designed connector for high current ratings
- 16 coding options
- For hoods/housings size Han® 3 A
- Finger protected male and female contacts
- Assembly without special tool by axial screw termination

Attention

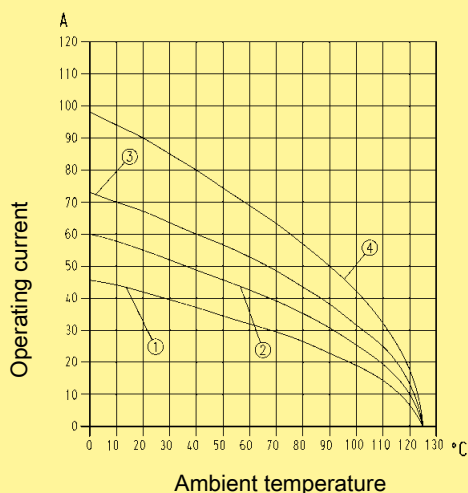
- By using in Han® 3 A HPR hoods/housings the sealing on the insert has to be removed.
- For termination please use only hexagonal screw driver with wrench size SW 2.
- If PE contact is not used:
Please screw the PE contact maximal on both sides clockwise with a hexagonal screwdriver, wrench size SW 2.



Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element 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 according to DIN EN 60 512-5



Wire gauge:

- ① 2.5 mm²
- ② 4 mm²
- ③ 6 mm²
- ④ 10 mm²

Technical characteristics

Specifications	DIN EN 60 664-1 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	2 + PE
Electrical data acc. to EN 61 984	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/CSA	400 V
Insulation resistance	$\geq 10^{10} \Omega$
Material	polycarbonate
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
Contact resistance	$\leq 1 \text{ m}\Omega$
Axial screw termination	
- mm²	2,5 ... 10 mm²
- AWG	14 ... 8
Tightening torque	1,8 Nm
Stripping length	8 mm +1

Hoods/Housings

Selection of hoods/housings see chapter 30 / chapter 31

Plastic hoods/housings

Material polycarbonate
Flammability acc. to UL 94 V 0
Degree of protection acc. to DIN EN 60 529 for coupled connector IP 67

Hoods/Housings, metal

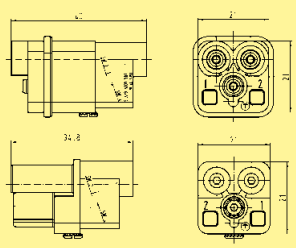
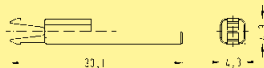
Material zinc die-cast
Degree of protection acc. to DIN EN 60 529 for coupled connector IP 44
IP 67 is achieved with seal screw 09 20 000 9918

Accessories

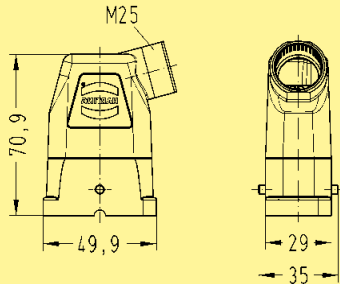
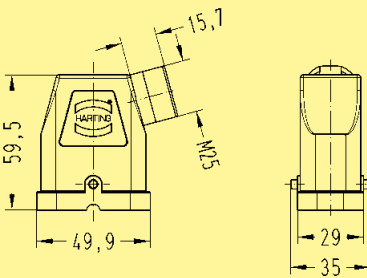
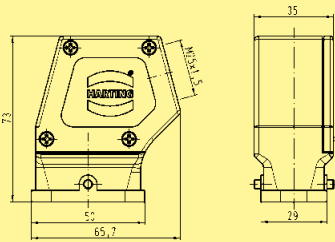
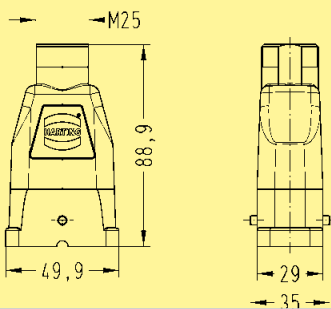
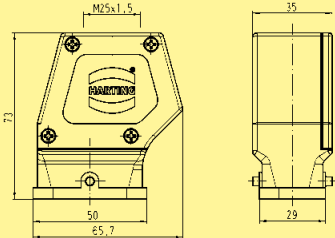
Cable clamps chapter 40
Sealing screw chapter 40

Number of contacts

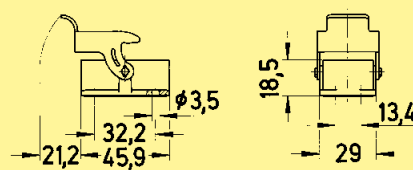
2 + 

Identification	Part number		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
Axial screw terminal				
	4 ... 10 mm ²	09 12 002 2651		
	2,5 ... 6 mm ²	09 12 002 2653		
Coding element	09 12 000 9922	09 12 000 9922		
Identification	Part number		Drawing	Dimensions in mm
Hex key SW 2 for axial setscrew				
with grip		09 99 000 0313		
 adapter 1/4"		09 99 000 0369		
				

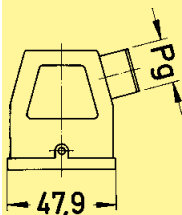
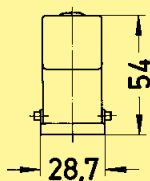
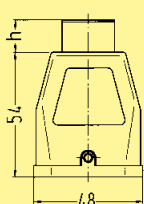
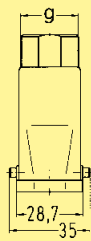
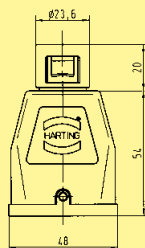
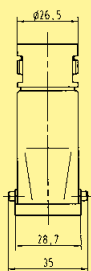
Metal

Identification		Part number		Drawing	Dimensions in mm
Hoods - side-entry for Han-Compact® half gland - with separate PE termination - for all inserts of size Han-Compact®		black powder coated 19 12 708 0511 black chromated 19 12 008 0511	M25 M25		70,9 49,9 29 35
Hoods - side-entry for Han-Compact® half gland - for Han® Q 8/0 Crimp, Han® Q 17/0 and Han® Q Data RJ45		black powder coated 19 12 708 0501 black chromated 19 12 008 0501	M25 M25		59,5 15,7 49,9 29 35
Hoods - side-entry for standard cable glands - with separate PE termination - for all inserts of size Han-Compact®		black powder coated 19 12 008 0526	M25		73 65,7 29 35
Hoods - top-entry for Han-Compact® half gland - with separate PE termination - for all inserts of size Han-Compact®		black powder coated 19 12 708 0411 black chromated 19 12 008 0411	M25 M25		88,9 49,9 29 35
Hoods - top-entry for standard cable glands - with separate PE termination - for all inserts of size Han-Compact®		black powder coated 19 12 008 0426	M25		73 50 65,7 29 35

Metal

Identification	Part number	Drawing	Dimensions in mm
Housings, bulkhead mounting 	black powder coated 09 12 708 0301 black chromated 09 12 008 0301		

Thermoplastic

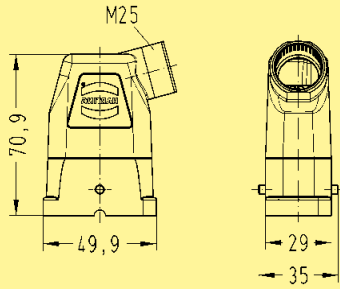
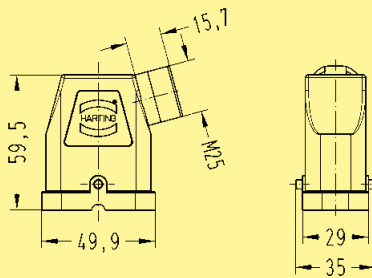
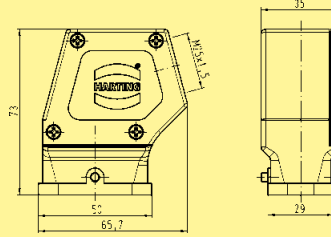
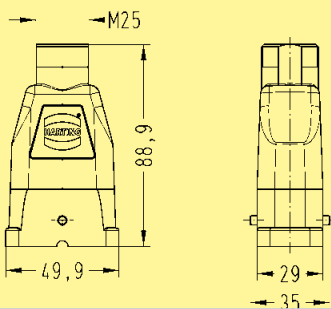
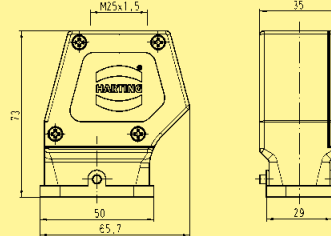
Identification		Part number		Drawing	Dimensions in mm
Hoods side-entry for Han-Compact® half gland		09 12 008 0527	Pg 16		
Hoods top-entry for Han-Compact® half gland		19 12 008 0429 09 12 008 0427 09 12 008 0429	M25 Pg 16 Pg 21		
Hoods top-entry for flexible conduits Adaptaflex PAFS18		09 12 008 0428	PAFS 18		

Thermoplastic

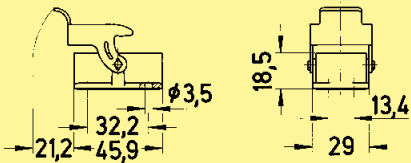
Identification	Part number	Drawing	Dimensions in mm
Housings, bulkhead mounting • straight	09 12 008 0327	—	
Housings, bulkhead mounting • angled	09 12 008 0902	—	
Housings, surface mounting • for Han-Compact® half gland	09 12 008 0901	Pg 16	
Hoods, cable to cable • for Han-Compact® half gland	19 12 008 0729 09 12 008 0727	M25 Pg 16	
Hoods, cable to cable • for flexible conduits Adaptaflex PAFS18	09 12 008 0728	PAFS 18	

Power
Distribution

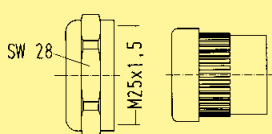
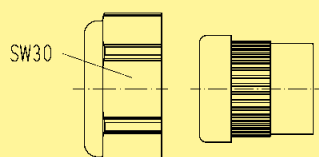
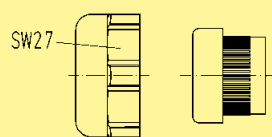
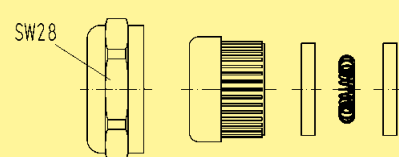
Metal nickel-plated for EMC applications

Identification	Part number	Drawing	Dimensions in mm
Hoods - side-entry for Han-Compact® EMC half gland - with separate PE termination - for all inserts of size Han-Compact® 	19 12 008 0512	M25	
Hoods - side-entry for Han-Compact® EMC half gland - for Han® Q 8/0 Crimp, Han® Q 17/0 and Han® Q Data RJ45 	19 12 008 0502	M25	
Hoods - side-entry for standard EMC cable glands - with separate PE termination - for all inserts of size Han-Compact® 	19 12 008 0528	M25	
Power Distribution Hoods - top-entry for Han-Compact® EMC half gland - with separate PE termination - for all inserts of size Han-Compact® 	19 12 008 0412	M25	
Hoods - top-entry for standard EMC cable glands - with separate PE termination - for all inserts of size Han-Compact® 	19 12 008 0428	M25	

Metal nickel-plated for EMC applications

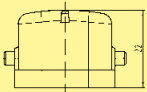
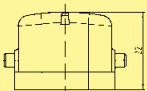
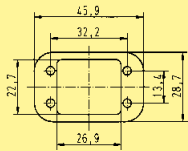
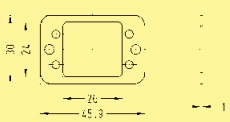
Identification	Part number	Drawing	Dimensions in mm
Housings, bulkhead mounting 	09 12 008 0303		

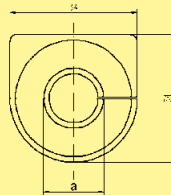
Accessories

Identification	Part number	Drawing	Dimensions in mm																																
Han-Compact® half gland • Metal • for hoods 	19 12 000 5057 19 12 000 5058	M25 M25 	<table><tr><th rowspan="2"></th><th colspan="2">cable</th><th rowspan="2">SW</th></tr><tr><th>min.</th><th>max.</th></tr><tr><td>19 12 000 5057</td><td>10,5 mm</td><td>14 mm</td><td>28</td></tr><tr><td>19 12 000 5058</td><td>14 mm</td><td>17 mm</td><td>28</td></tr></table>		cable		SW	min.	max.	19 12 000 5057	10,5 mm	14 mm	28	19 12 000 5058	14 mm	17 mm	28																		
	cable		SW																																
	min.	max.																																	
19 12 000 5057	10,5 mm	14 mm	28																																
19 12 000 5058	14 mm	17 mm	28																																
Han-Compact® half gland • Thermoplastic • for hoods 	19 12 000 5157 19 12 000 5158 09 00 000 5059 09 00 000 5157 09 00 000 5158	M25 M25 Pg 16 Pg 21 Pg 21 	<table><tr><th rowspan="2"></th><th colspan="2">cable</th><th rowspan="2">SW</th></tr><tr><th>min.</th><th>max.</th></tr><tr><td>19 12 000 5157</td><td>10,5 mm</td><td>14 mm</td><td>30</td></tr><tr><td>19 12 000 5158</td><td>14 mm</td><td>17 mm</td><td>30</td></tr><tr><td>09 00 000 5059</td><td>11,5 mm</td><td>15,5 mm</td><td>27</td></tr><tr><td>09 00 000 5157</td><td>14 mm</td><td>18 mm</td><td>33</td></tr><tr><td>09 00 000 5158</td><td>17 mm</td><td>20,5 mm</td><td>33</td></tr></table>		cable		SW	min.	max.	19 12 000 5157	10,5 mm	14 mm	30	19 12 000 5158	14 mm	17 mm	30	09 00 000 5059	11,5 mm	15,5 mm	27	09 00 000 5157	14 mm	18 mm	33	09 00 000 5158	17 mm	20,5 mm	33						
	cable		SW																																
	min.	max.																																	
19 12 000 5157	10,5 mm	14 mm	30																																
19 12 000 5158	14 mm	17 mm	30																																
09 00 000 5059	11,5 mm	15,5 mm	27																																
09 00 000 5157	14 mm	18 mm	33																																
09 00 000 5158	17 mm	20,5 mm	33																																
Han-Compact® half gland • Thermoplastic • for housings 	09 00 000 5058 09 00 000 5057	Pg 16 Pg 16 	<table><tr><th rowspan="2"></th><th colspan="2">cable</th><th rowspan="2">SW</th></tr><tr><th>min.</th><th>max.</th></tr><tr><td>09 00 000 5058</td><td>11,5 mm</td><td>15,5 mm</td><td>27</td></tr><tr><td>09 00 000 5057</td><td>6,5 mm</td><td>9,5 mm</td><td>27</td></tr></table>		cable		SW	min.	max.	09 00 000 5058	11,5 mm	15,5 mm	27	09 00 000 5057	6,5 mm	9,5 mm	27																		
	cable		SW																																
	min.	max.																																	
09 00 000 5058	11,5 mm	15,5 mm	27																																
09 00 000 5057	6,5 mm	9,5 mm	27																																
Han-Compact® EMC half gland • Metal • for hoods 	19 62 000 5056 19 62 000 5057 19 62 000 5058	M25 M25 M25 	<table><tr><th rowspan="2"></th><th colspan="2">cable</th><th rowspan="2">SW</th></tr><tr><th>min.</th><th>max.</th></tr><tr><td>19 62 000 5056</td><td>10,5 mm</td><td>14 mm</td><td>28</td></tr><tr><td>19 62 000 5057</td><td>10,5 mm</td><td>14 mm</td><td>28</td></tr><tr><td>19 62 000 5058</td><td>14 mm</td><td>17 mm</td><td>28</td></tr></table> <table><tr><th rowspan="2"></th><th colspan="2">shielding</th></tr><tr><th>min.</th><th>max.</th></tr><tr><td>19 62 000 5056</td><td>9 mm</td><td>13 mm</td></tr><tr><td>19 62 000 5057</td><td>6 mm</td><td>11 mm</td></tr><tr><td>19 62 000 5058</td><td>9 mm</td><td>13 mm</td></tr></table>		cable		SW	min.	max.	19 62 000 5056	10,5 mm	14 mm	28	19 62 000 5057	10,5 mm	14 mm	28	19 62 000 5058	14 mm	17 mm	28		shielding		min.	max.	19 62 000 5056	9 mm	13 mm	19 62 000 5057	6 mm	11 mm	19 62 000 5058	9 mm	13 mm
	cable		SW																																
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19 62 000 5056	9 mm	13 mm																																	
19 62 000 5057	6 mm	11 mm																																	
19 62 000 5058	9 mm	13 mm																																	

Stock items in bold type

Accessories

Identification	Part number	Drawing	Dimensions in mm
Protection covers • Thermoplastic • for housings • for mounted male insert 	09 12 008 5407		
Protection covers • Thermoplastic • for housings • for mounted female insert 	09 12 008 5408		
Gasket for plastic housings, bulkhead mounting, straight 	09 12 000 9912		
Gasket for plastic housings, bulkhead mounting, angled, and for housings, surface mounting 	09 12 000 9911		

Identification	Part number	Drawing	Dimensions in mm
Panel feed through seals Cable diameter  7 ... 10 mm 10 ... 13 mm 13 ... 16 mm 16 ... 19 mm 19 ... 22 mm blind grommet <td> 09 12 000 9969 09 12 000 9970 09 12 000 9971 09 12 000 9972 09 12 000 9973 09 12 000 9974 </td> <td>  </td> <td></td>	09 12 000 9969 09 12 000 9970 09 12 000 9971 09 12 000 9972 09 12 000 9973 09 12 000 9974	