

Features

- Easy bridging functionality of contacts by means of plug-in jumpers directly on the connector
- Fast realisation of potential multiplication as well as star and delta bridges
- Rapid termination technology without tools for a time saving assembly and for optimal process reliability
- Mating compatible to connectors of the Han E®, Han® ES and Han® ESS product families
- Integrated opening for measuring probe

Description

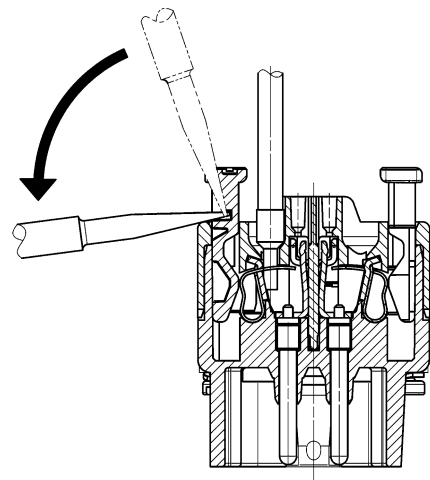
- To assemble the conductor close the blue press button with light finger pressure
- Audible and tactile snap-in of press buttons and plug-in jumpers
- Conductors can be connected with and without ferrules
- Zero Insertion Force (ZIF) of conductor into contact
- Jumpers for potential multiplication within the connector
- Jumpers to bridge star and delta circuits within the connector
- Suitable for hoods and housings of the Han® B, Han® M, Han® EMV, Han® HPR, Han® Easy Hood and Han-Drive® series
- Suitable for control cabinets in combination with Han-Snap® series

Hint:

When using plug-in jumpers within Han® ES Press hoods of high construction must be used.

Removal of conductor

To open the blue press button use a standard screw driver (blade 2.5 mm) with a light lever movement.



Technical characteristics

Specifications DIN EN 60 664-1
DIN EN 61 984

Inserts

Contacts 6, 10, 16, 24

Electrical data acc. to
DIN EN 61 984

Rated current 16 A

Rated voltage 500 V

Rated impulse voltage 6 kV

Pollution degree 3

Insulation resistance $\geq 10^{10} \Omega$

Material polycarbonate

Limiting temperatures $-40^\circ\text{C} \dots +125^\circ\text{C}$

Flammability acc. to UL 94 V 0

Mating cycles ≥ 500

Contacts

Material power contacts copper alloy

Surface silver plated

3 μm Ag

Contact resistance $\leq 3 \text{ m}\Omega$

Cage clamp termination 0.14 ... 2.5 mm^2

Max. insulation diameter 5.0 mm

Stripping length 9 ... 11 mm

Plug-in jumpers

Contacts 2, 3, 5, 8, 12

Colour jumpers RAL 3018 (red)
RAL 5012 (blue)
RAL 5004 (black)

Electrical data acc. to
DIN EN 61 984

Rated current 16 A

Rated voltage 500 V

Rated impulse voltage 6 kV

Pollution degree 3

Limiting temperatures $-40^\circ\text{C} \dots +125^\circ\text{C}$

Flammability acc. to UL 94 V 0

Mating cycles ≥ 5

Material insulation polyamide

Insulation resistance $\geq 10^{10} \Omega$

Material jumpers copper alloy

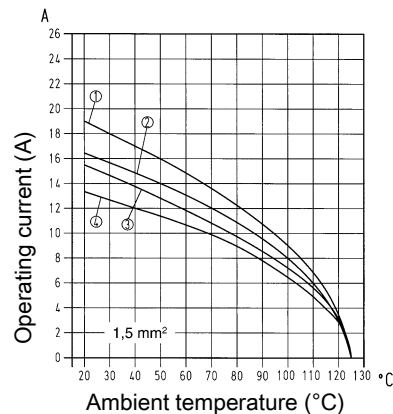
Surface jumpers - tin plated

3 μm Sn

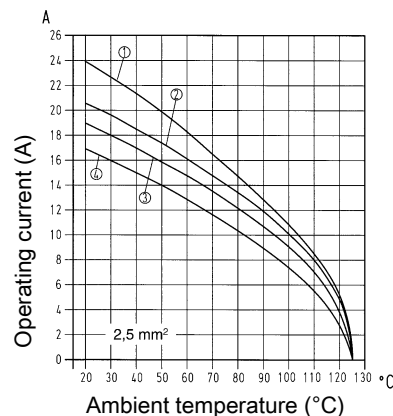
Contact resistance $\leq 1,0 \text{ m}\Omega$

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 60 512-5-2.



- ① Han® 6 ES Press insert 1.5 mm²
- ② Han® 10 ES Press insert 1.5 mm²
- ③ Han® 16 ES Press insert 1.5 mm²
- ④ Han® 24 ES Press insert 1.5 mm²

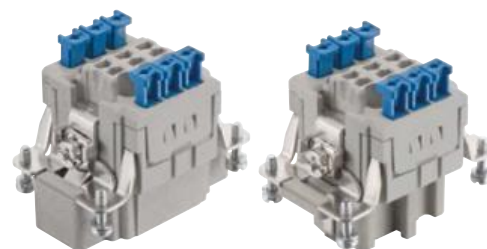


- ① Han® 6 ES Press insert 2.5 mm²
- ② Han® 10 ES Press insert 2.5 mm²
- ③ Han® 16 ES Press insert 2.5 mm²
- ④ Han® 24 ES Press insert 2.5 mm²

Number of contacts

6 +

500 V 16 A



Identification	Part number		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
Han® 6 ES Press 	09 33 006 2648	09 33 006 2748	1) Distance for contacts max. 21 mm Contact arrangement: view from termination side Panel cut out	



Number of contacts

10 +

500 V 16 A

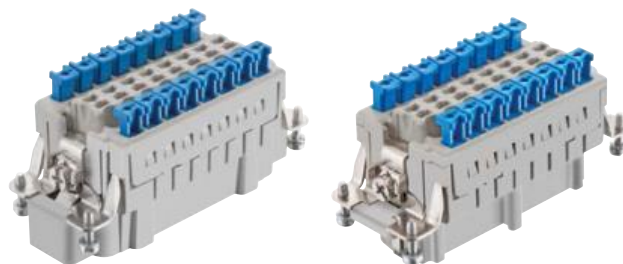


Identification	Part number		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
Han® 10 ES Press	09 33 010 2648	09 33 010 2748	1) Distance for contacts max. 21 mm M F Contact arrangement: view from termination side	

Number of contacts

16 +

500 V 16 A



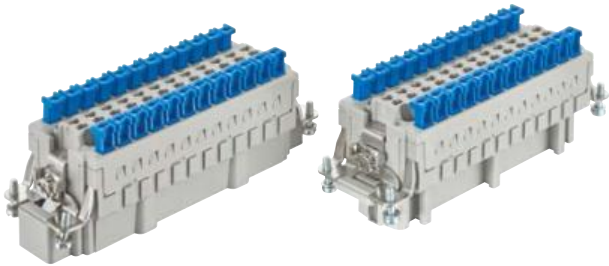
Identification	Part number		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
Han® 16 ES Press 	09 33 016 2648	09 33 016 2748	1) Distance for contacts max. 21 mm M F Contact arrangement: view from termination side Panel cut out	



Number of contacts

24 +

500 V 16 A



Identification	Part number		Drawing	Dimensions in mm
	Male insert (M)	Female insert (F)		
Han® 24 ES Press	09 33 024 2648	09 33 024 2748	1) Distance for contacts max. 21 mm M F Contact arrangement: view from termination side	



Identification

Part number

Drawing

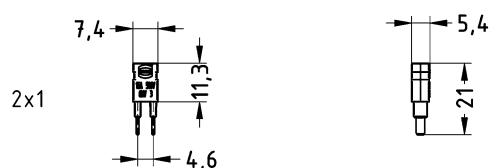
Dimensions in mm

Han® ES Press plug-in jumper



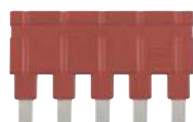
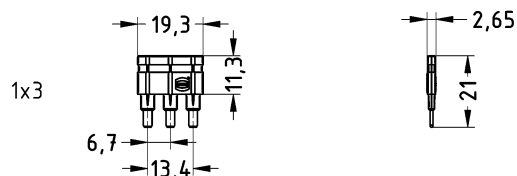
plug-in jumper 2 x 1 red
plug-in jumper 2 x 1 blue
plug-in jumper 2 x 1 black

09 33 000 9820
09 33 000 9821
09 33 000 9822



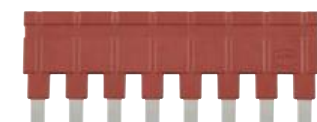
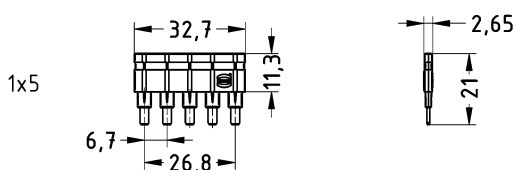
plug-in jumper 1 x 3 red
plug-in jumper 1 x 3 blue
plug-in jumper 1 x 3 black

09 33 000 9831
09 33 000 9842
09 33 000 9853



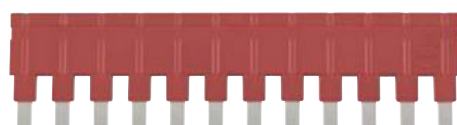
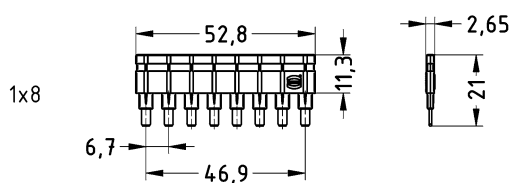
plug-in jumper 1 x 5 red
plug-in jumper 1 x 5 blue
plug-in jumper 1 x 5 black

09 33 000 9833
09 33 000 9844
09 33 000 9855



plug-in jumper 1 x 8 red
plug-in jumper 1 x 8 blue
plug-in jumper 1 x 8 black

09 33 000 9836
09 33 000 9847
09 33 000 9858



plug-in jumper 1 x 12 red
plug-in jumper 1 x 12 blue
plug-in jumper 1 x 12 black

09 33 000 9840
09 33 000 9851
09 33 000 9862

