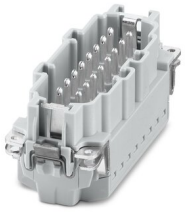
Contact insert - HC-B16-I-PT-CI-M

1350015

https://www.phoenixcontact.com/us/products/1350015

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Contact insert, number of positions: 16+2 PE, size: B16, number of connections per position: 1, Pin, Push-in connection, 500 V, 16 A, 0.14 mm^2 ... 2.5 mm^2, application: Power, tool-free Click-in mounting

Your advantages

- Significant time savings and improved handling: Consistent and easy tool-free installation and mounting with Push-in connection technology and innovative Click-in latching
- Tool-free installation and mounting of the PE connection with Push-in connection technology
- Shortest installation time compared to other connection technologies
- Quick and effortless wiring, in particular when space is tight
- Secure installation: Audible and tangible latching of the contact inserts in the connector housing
- Reliable connection: The Click-in contact insert latches into the housing creating a shock- and vibration-resistant connection in accordance with DIN EN 61373
- Easy integration: Click-in contact inserts fit in all plastic and metal housings of the HEAVYCON STANDARD and EVO series
- Automatic cabling with robots possible
- Safe wiring and operation with color-coded actuators
- Cost-effective and fast coding with plastic profiles
- Test connection for 2 mm test plug

Commercial Data

Item number	1350015
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	B10
Product Key	BF7ABC
GTIN	4063151667757
Weight per Piece (including packing)	22.22 g
Weight per Piece (excluding packing)	22.22 g
Customs tariff number	85366990
Country of origin	CN

Technical Data

Notes

General	only use flexible conductors with ferrules
General	Connectors may be operated only when there is no load/voltage.

Product properties

Type	B16
Product type	Contact insert with a fixed no. of positions
Number of positions	16
Connection profile	16+2 PE
Application	Power
Number of connections per position	1
Contact type	rolled
Series	HC-B

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

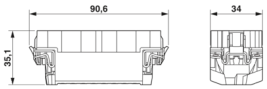
Connection technology

Connection technology	Push-in connection
Number of connections per position	1

Conductor connection

Connection cross section AWG	26 ... 14
Stripping length	8 mm ... 10 mm

Dimensions

Dimensional drawing	
Width	34 mm
Height	34.4 mm
Length	84 mm
Drill hole distance, horizontal	77.5 mm
Drill hole distance, vertical	27 mm

Mechanical characteristics

Contact diameter	2.5 mm

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A (power contacts)

Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Connector

Insertion/withdrawal cycles	≥ 500

Mounting

Mounting type	tool-free snap-in
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
	tool-free snap-in into all plastic and metal housings of the HEAVYCON STANDARD and EVO series, and into metal housings of the HEAVYCON ADVANCED series

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)

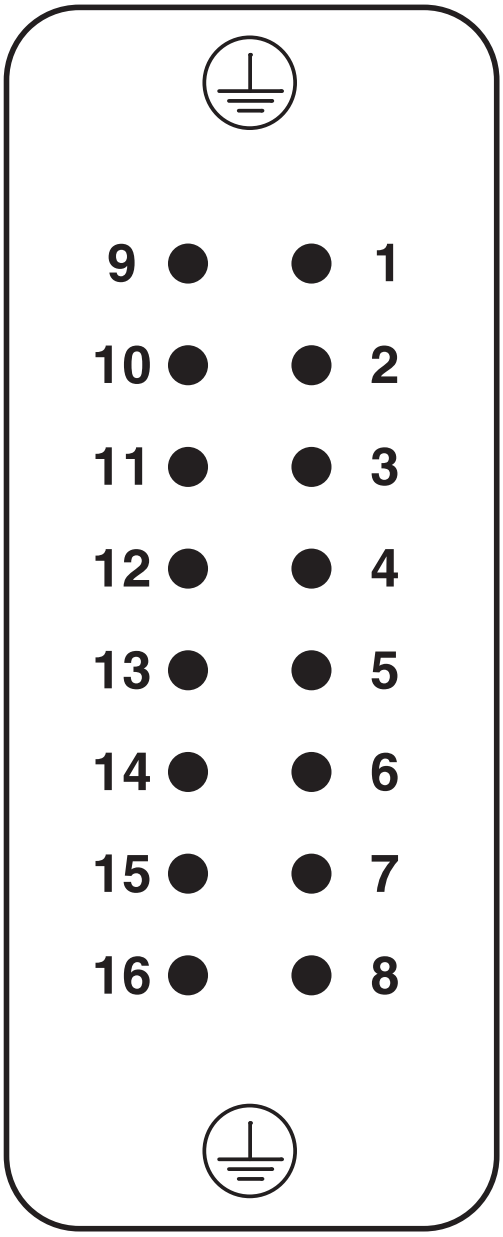
Standards and regulations

Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

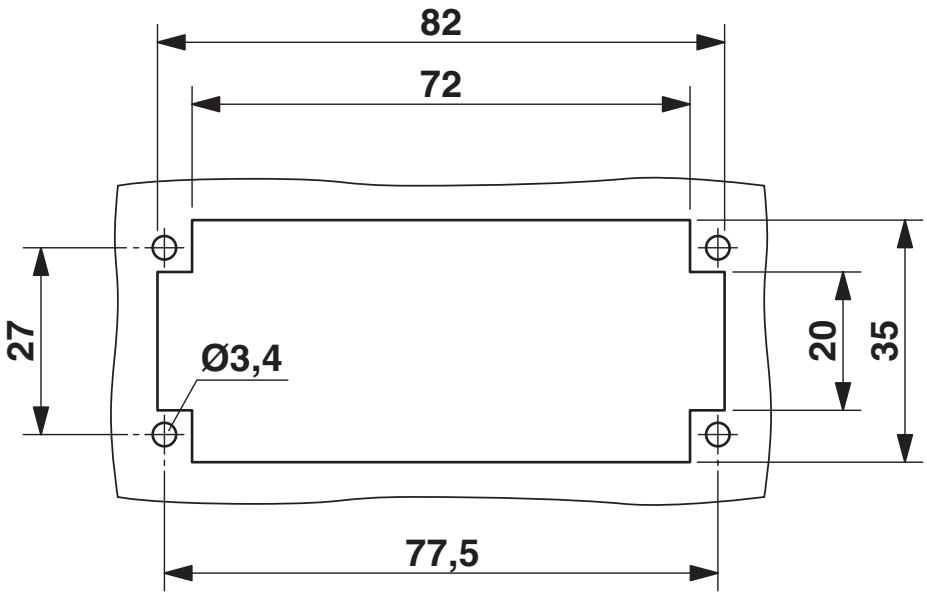
Drawings

Schematic diagram



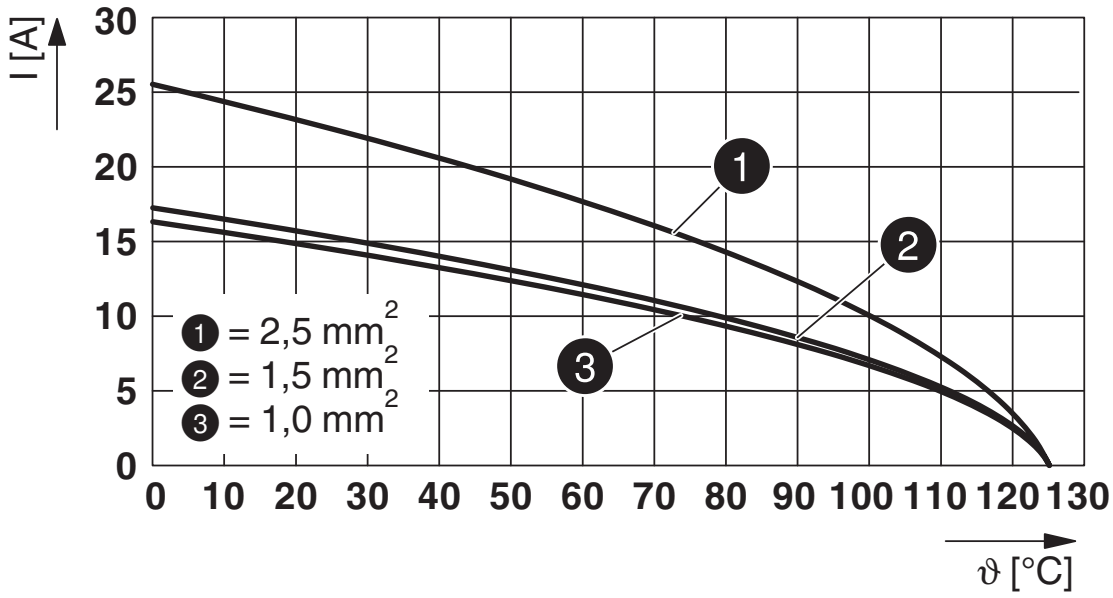
Connector pin assignment, connection side

Dimensional drawing



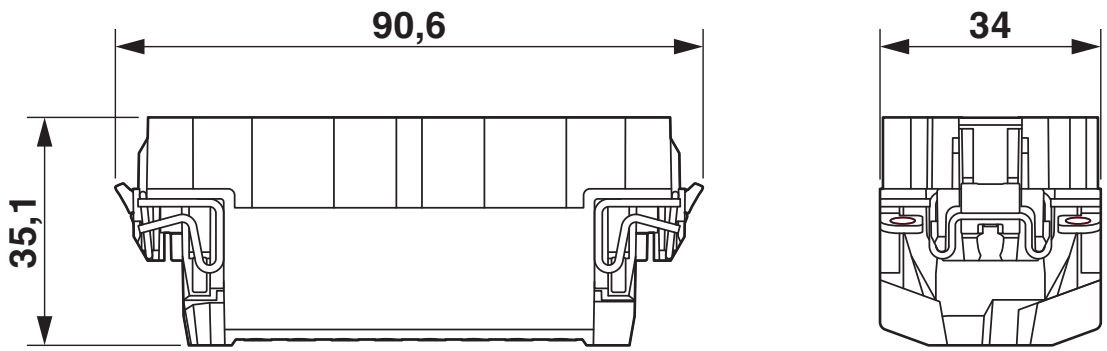
Mounting cutout when used without housing

Diagram



Derating diagram

Dimensional drawing



Dimensional drawing

Classifications

ECLASS

ECLASS-11.0	27440205

ETIM

ETIM 8.0	EC000438

UNSPSC

UNSPSC 21.0	39121500

Environmental Product Compliance

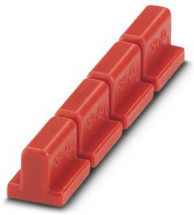
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Accessories

Coding profile

Coding profile - CP-HC - 1686478

https://www.phoenixcontact.com/us/products/1686478



Coding profile, 4 coding profiles per strip, for insertion in coding keyways

Crimping pliers

Crimping pliers - CRIMPFOX CENTRUS 6S - 1213144

https://www.phoenixcontact.com/us/products/1213144



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm^2 … 6 mm^2, also for TWIN ferrules up to 2 x 4 mm^2, automatic cross section adjustment, lateral insertion, equipped with fall protection

Coding bolt

Coding bolt - HC-CB - 1772722

https://www.phoenixcontact.com/us/products/1772722



Coding pin, prevents mismating of up to six connectors with an identical number of positions

Crimping pliers

Crimping pliers - CRIMPFOX CENTRUS 10S - 1213154

https://www.phoenixcontact.com/us/products/1213154



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm^2 ... 10 mm^2, also for TWIN ferrules up to 2 x 4 mm^2, automatic cross section adjustment, lateral insertion, equipped with fall protection

Coding element

Coding element - HC-CST - 1676857

https://www.phoenixcontact.com/us/products/1676857



Coding peg for coding up to 16 connectors

Crimping pliers

Crimping pliers - CRIMPFOX 6 - 1212034

https://www.phoenixcontact.com/us/products/1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm^2 ... 6.0 mm^2, lateral entry, trapezoidal crimp

Coding element

Coding element - HC-CBU - 1676860

https://www.phoenixcontact.com/us/products/1676860



Coding socket for coding up to 16 connectors

Crimping pliers

Crimping pliers - CRIMPFOX 10S - 1212045

https://www.phoenixcontact.com/us/products/1212045



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.14 mm^2 ... 10 mm^2, unlockable pressure lock, lateral entry

Docking frames

Docking frames - HC-B 16-ANDOCK - 1586138

https://www.phoenixcontact.com/us/products/1586138



Docking frame for racks, for contact inserts of B16 type, with four M5 flat headed screws, rack balance x/y axis ± 1.5 mm

Electrical crimping tool

Electrical crimping tool - CF CRIMPHANDY 0,5 - 1212463

https://www.phoenixcontact.com/us/products/1212463



Mobile handheld device, battery-powered, for processing on-tape ferrules 0.5 mm^2 with functional end, suitable for PVC insulated conductors (H05V-K), incl. battery, charger, CUTFOX 12 cable cutter, waste guide plate 2, service tool for error correction, and one strip of ferrules 0.5 mm^2, packed in a robust case.

Adapter plate

Adapter plate - HC-B24/16-ADP-SS - 1034216

https://www.phoenixcontact.com/us/products/1034216



Adapter plate, type: B24 to B16

Electrical crimping tool

Electrical crimping tool - CF CRIMPHANDY 0,75 - 1212464

https://www.phoenixcontact.com/us/products/1212464



Mobile handheld device, battery-powered, for processing on-tape ferrules 0. 75 mm^2 with functional end, suitable for PVC insulated conductors (H05V-K), incl. battery, charger, CUTFOX 12 cable cutter, waste guide plate 2, service tool for error correction, and one strip of ferrules 0.75 mm^2, packed in a robust case.

Screwdriver

Screwdriver - SZF 0-0,4X2,5 - 1204504

https://www.phoenixcontact.com/us/products/1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

Electrical crimping tool

Electrical crimping tool - CF CRIMPHANDY 1,0 - 1212465

https://www.phoenixcontact.com/us/products/1212465



Mobile handheld device, battery-powered, for processing on-tape ferrules 1.0 mm^2 with functional end, suitable for PVC insulated conductors (H05V-K), incl. battery, charger, CUTFOX 12 cable cutter, waste guide plate 2, service tool for error correction, and one strip of ferrules 1.0 mm^2, packed in a robust case.

Contact insert - HC-B16-I-PT-CI-M

1350015

https://www.phoenixcontact.com/us/products/1350015

Electrical crimping tool

Electrical crimping tool - CF CRIMPHANDY 1,5 - 1212466

https://www.phoenixcontact.com/us/products/1212466



Mobile handheld device, battery-powered, for processing on-tape ferrules 1.5 mm^2 with functional end, suitable for PVC insulated conductors (H07V-K), incl. battery, charger, CUTFOX 12 cable cutter, waste guide plate 2, service tool for error correction, and one strip of ferrules 1.5 mm^2, packed in a robust case.

Contact insert

Contact insert - HC-B16-I-PT-CI-F - 1350013

https://www.phoenixcontact.com/us/products/1350013



Contact insert, number of positions: 16+2 PE, size: B16, number of connections per position: 1, Socket, Push-in connection, 500 V, 16 A, 0.14 mm^2 ... 2.5 mm^2, application: Power, tool-free Click-in mounting

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