HC-EVO-B10PT-BWSC-HL-M25ELC-AL - Connector set

1411491

https://www.phoenixcontact.com/us/products/1411491

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EVO connector set, B10 series, metal housing, consisting of sleeve housing 1411456, panel mounting base 1411321, EVO screw connection 1411446, push-in contact inserts: 1407729, 1407730

Commercial data

Item number	1411491
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF63
Product key	AF7AFX
GTIN	4046356932912
Weight per piece (including packing)	531.4 g
Weight per piece (excluding packing)	531.4 g
Customs tariff number	85366990
Country of origin	CN

HC-EVO-B10PT-BWSC-HL-M25ELC-AL - Connector set

1411491

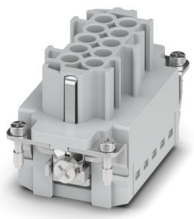
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Set consists of

HC-B10-I-PT-F - Contact insert

1407729

https://www.phoenixcontact.com/us/products/1407729

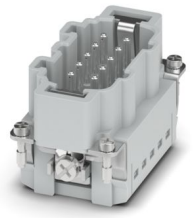


Contact insert, number of positions: 10+PE, size: B10, number of connections per position: 1, Socket, Push-in connection, 500 V, 16 A, 0.14 mm^2 ... 2.5 mm^2, application: Power

HC-B10-I-PT-M - Contact insert

1407730

https://www.phoenixcontact.com/us/products/1407730



Contact insert, number of positions: 10+PE, size: B10, number of connections per position: 1, Pin, Push-in connection, 500 V, 16 A, 0.14 mm^2 ... 2.5 mm^2, application: Power

HC-EVO-B10-HLFS-EL-AL - Housing

1411456

https://www.phoenixcontact.com/us/products/1411456



HEAVYCON EVO sleeve housing, EMC version, without powder coating, with bayonet flange for EVO screw connection, B10, for single locking latch, height: 64 mm, without EVO screw connection.

HC-STA-B10-BWSC-ELC-AL - Housing

1411321

https://www.phoenixcontact.com/us/products/1411321



Panel mounting base B10, with single locking latch, material: Die-cast aluminum, salt water resistant, protective cover material: PC, height: 30.5 mm, cable gland: none, protective cover: yes, Standard, with flat gasket

HC-B-G-M25-EC-AL - Cable gland

1411446

https://www.phoenixcontact.com/us/products/1411446



EVO EMC cable gland with bayonet locking, B series, size M25, cable diameter: 11 ... 16 mm

HC-EVO-B10PT-BWSC-HL-M25ELC-AL - Connector set

1411491

https://www.phoenixcontact.com/us/products/1411491

Technical data

Product properties

Product type	Connector set
Housing type	Complete housing
Series	HC-B
Type	B10
Number of positions	10
Connection profile	10+PE
No. of cable outlets	1
Seal present	yes
Protective cover	yes
Cable outlet	straight

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

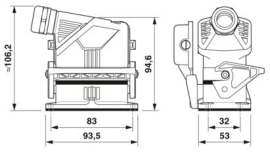
Electrical properties

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

Connection data

Connection method	Push-in connection
Connection technology	Push-in connection
Conductor cross-section	0.14 mm² ... 2.5 mm² (with ferrule)
	0.14 mm² ... 2.5 mm² (with ferrule)
Connection cross section AWG	26 ... 14
Tightening torque	0.5 Nm ... 1.7 Nm (Fixing screws for panel mounting base)
Stripping length	8 mm ... 10 mm

Dimensions

Dimensional drawing	
Width	53 mm
Height	94.5 mm
Length	93.5 mm
Drill hole distance, horizontal	83 mm

Drill hole distance, vertical	32 mm

Installation dimensions

Width of the assembly cutout	35 mm
Length of the assembly cutout	65 mm

Material specifications

Material Housing	Die-cast aluminum, corrosion-resistant
Material Protective cover	PA
Flammability rating according to UL 94	V0
Material grommet GRP	NBR (profile gasket)
	NBR (Flat gasket)
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA
Locking latch material	PA

Cable/line

External cable diameter	11 mm ... 16 mm

Mechanical properties

Mechanical data

Locking type	Latch
Insertion/withdrawal cycles	≥ 500

Environmental and real-life conditions

Ambient conditions

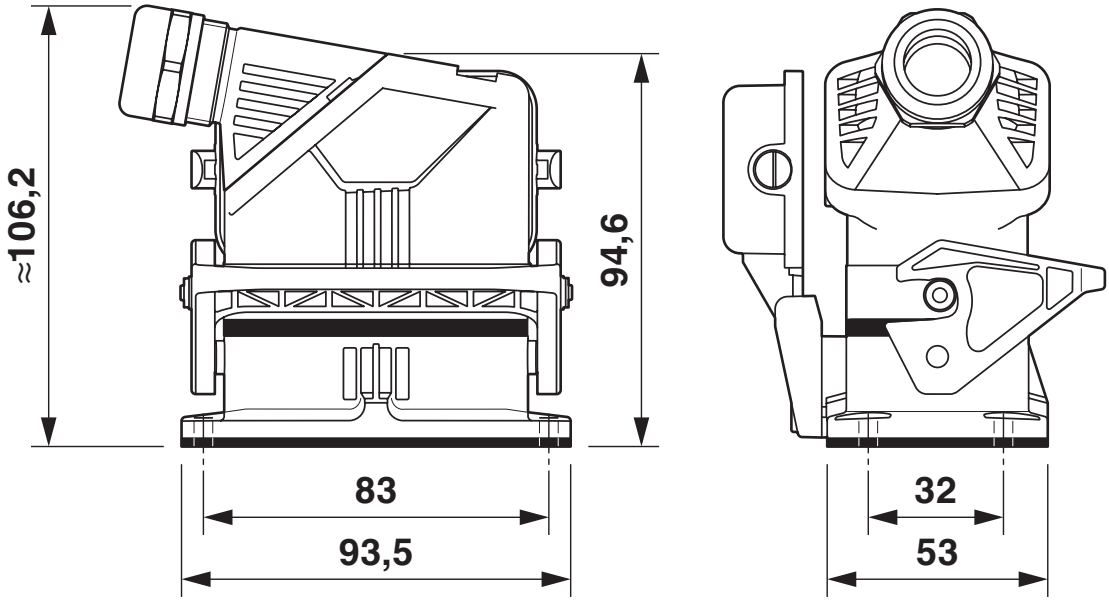
Degree of protection	IP66
	IP67
	IP66
Enclosure rating (NEMA)	4 (UL 50e)
	4X (UL 50e)
	12 (UL 50e)
Impact strength	IK08
Ambient temperature (operation)	-40 °C ... 100 °C

Mounting

Mounting type	Screw mounting
Assembly note	Coding also using the CP-HC (1686478) coding profiles. HC-B6.. / HC-B10..for two coding profiles. HC-B16../ HC-B24..for four coding profiles.
	Connectors may only be operated when there is no load/the power is switched off. Can be used for solid wires and stranded wires with ferrule.

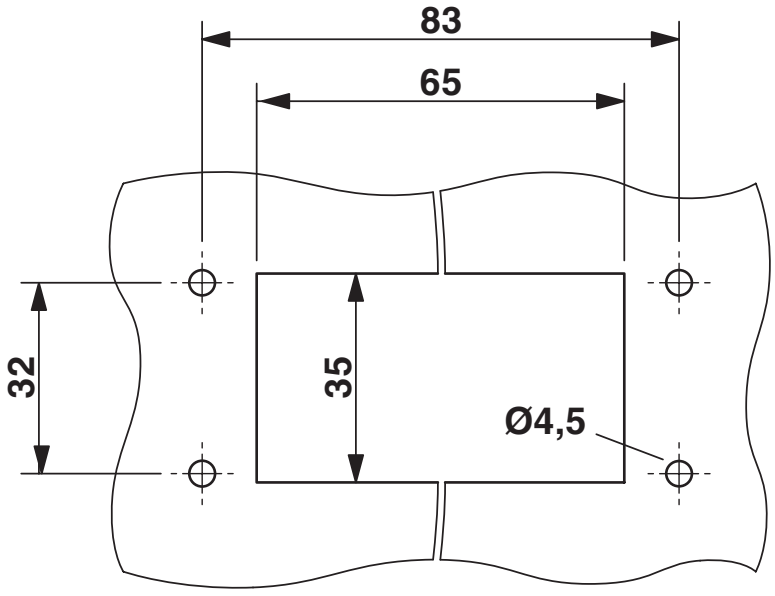
Drawings

Dimensional drawing



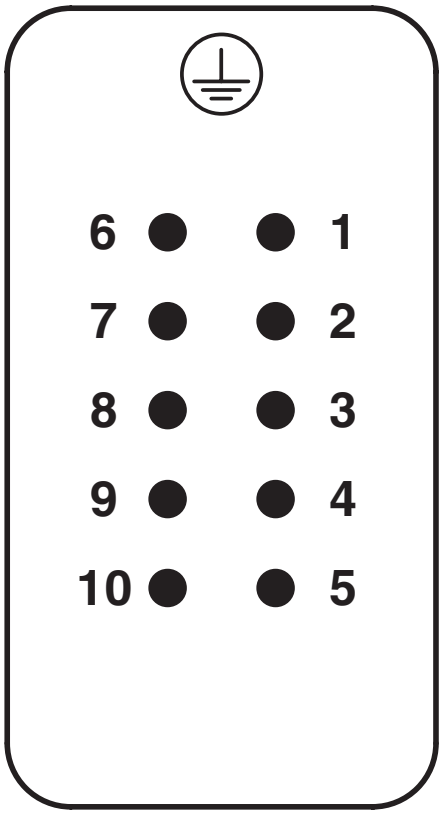
Dimensional drawing

Dimensional drawing



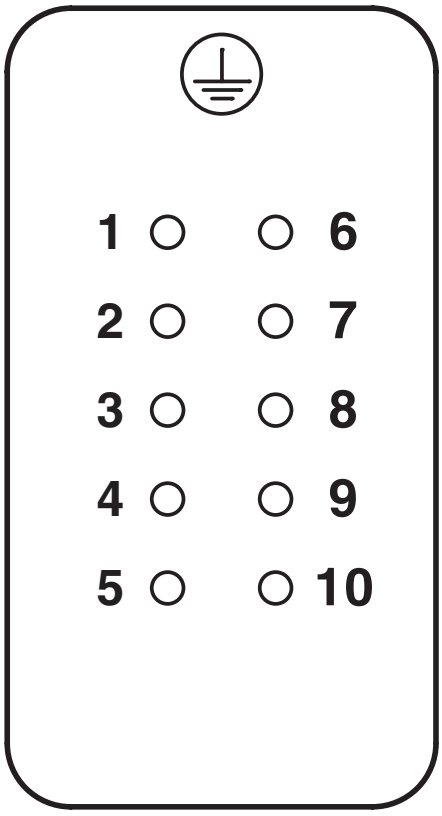
Mounting cutout

Schematic diagram



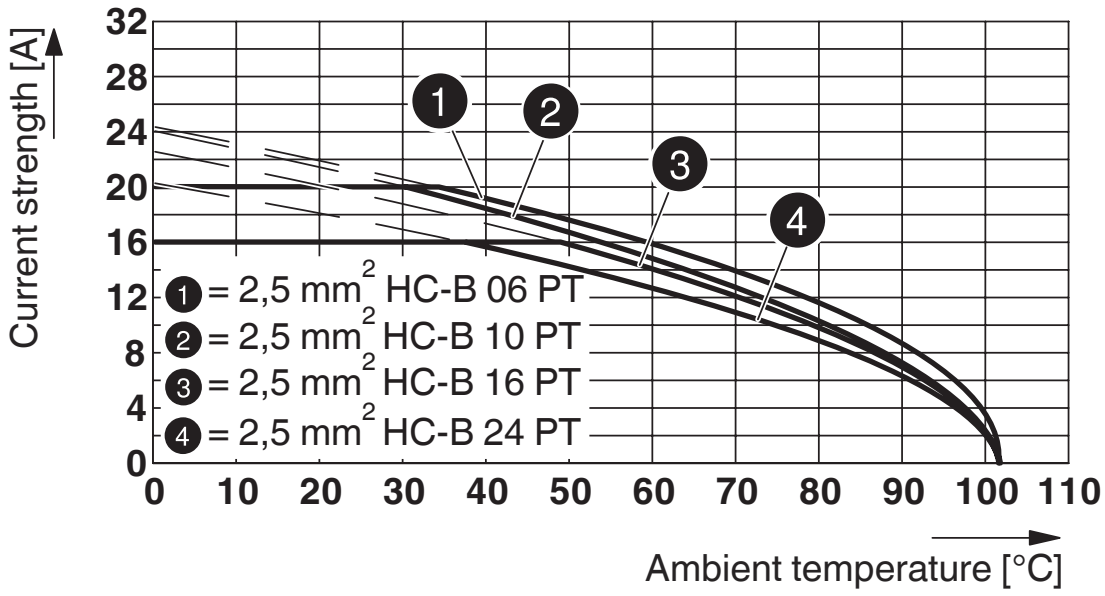
Pin assignment, connection side, pin

Schematic diagram



Pin assignment, connection side, socket

Diagram



Derating diagram

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1411491

DNV
Approval ID: TAE000037S

EAC
Approval ID: RU C-DE.AI30.B.01102

Classifications

ECLASS

ECLASS-15.0	27440113
ECLASS-13.0	27440113

ETIM

ETIM 10.0	EC002636

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	0f9fa3eb-7d0f-46f7-866f-f5388d7d8ef8

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