HC-EVO-B24PT-BWSC-HH-M32ELC-AL - Connector set

1411493

https://www.phoenixcontact.com/us/products/1411493

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EVO connector set, B24 series, metal housing, consisting of sleeve housing 1411473, panel mounting base 1411330, EVO screw connection 1411440, pin contact insert 1407736, socket contact insert 1407735

Commercial data

Item number	1411493
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF63
Product key	AF7AFX
GTIN	4046356932936
Weight per piece (including packing)	821.6 g
Weight per piece (excluding packing)	824 g
Customs tariff number	85366990
Country of origin	CN

HC-EVO-B24PT-BWSC-HH-M32ELC-AL - Connector set

1411493

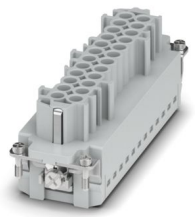
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Set consists of

HC-B24-I-PT-F - Contact insert

1407735

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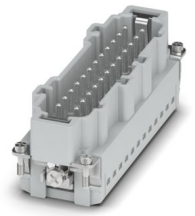


Contact insert, number of positions: 24+PE, size: B24, number of connections per position: 1, Socket, Push-in connection, 500 V, 16 A, 0.14 mm^2 ... 2.5 mm^2, application: Power

HC-B24-I-PT-M - Contact insert

1407736

https://www.phoenixcontact.com/us/products/1407736



Contact insert, number of positions: 24+PE, size: B24, 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-B-G-M32-EC-AL - Cable gland

1411440

https://www.phoenixcontact.com/us/products/1411440



EVO EMC cable gland with bayonet locking, B series, size M32, cable diameter: 14 ... 21 mm

HC-STA-B24-BWSC-ELC-AL - Housing

1411330

https://www.phoenixcontact.com/us/products/1411330



Panel mounting base B24, 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-EVO-B24-HHFS-EL-AL - Housing

1411473

https://www.phoenixcontact.com/us/products/1411473



HEAVYCON EVO sleeve housing, EMC version, without powder coating, with bayonet flange for EVO screw connection, B24, for single locking latch, height: 88 mm, without EVO screw connection.

Technical data

Product properties

Product type	Connector set
Housing type	Complete housing
Series	HC-B
Type	B24
Number of positions	24
Connection profile	24+PE
No. of cable outlets	1
Seal present	yes
Protective cover	yes
Cable outlet	straight

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

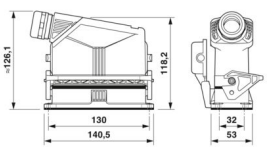
Electrical properties

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	118.5 mm
Length	140.5 mm
Drill hole distance, horizontal	130 mm

Drill hole distance, vertical	32 mm

Installation dimensions

Width of the assembly cutout	35 mm
Length of the assembly cutout	113 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	14 mm ... 21 mm

Mechanical properties

Mechanical data

Locking type	Latch
Insertion/withdrawal cycles	≥ 500

Environmental and real-life conditions

Ambient conditions

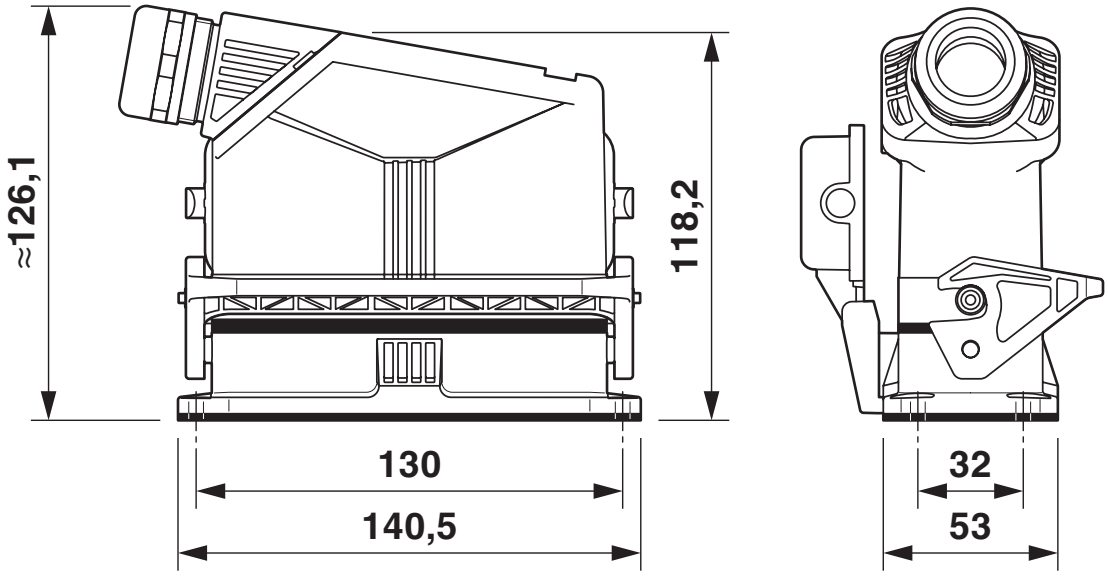
Degree of protection	IP66
	IP67
	IP66
Enclosure rating (NEMA)	4 (UL 50e)
	4X (UL 50e)
	12 (UL 50e)
Impact strength	IK08
Ambient temperature (operation)	-40 °C ... 100 °C

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.

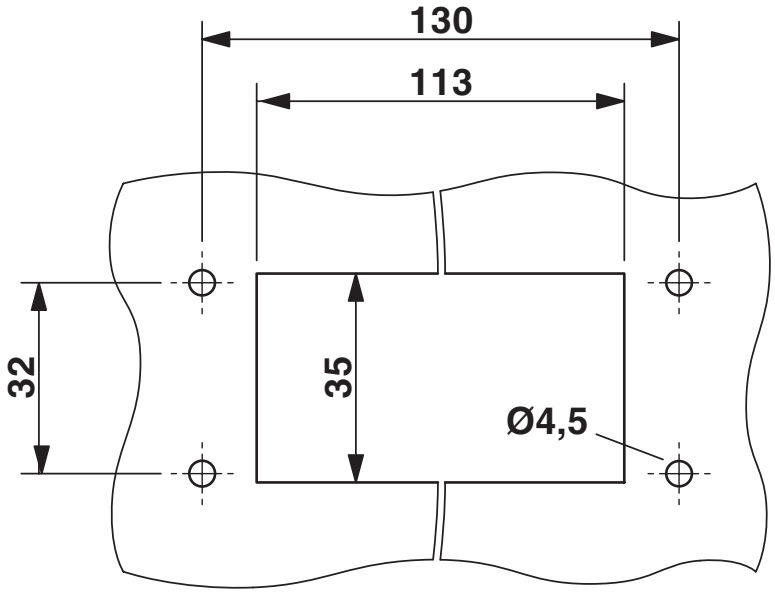
Drawings

Dimensional drawing



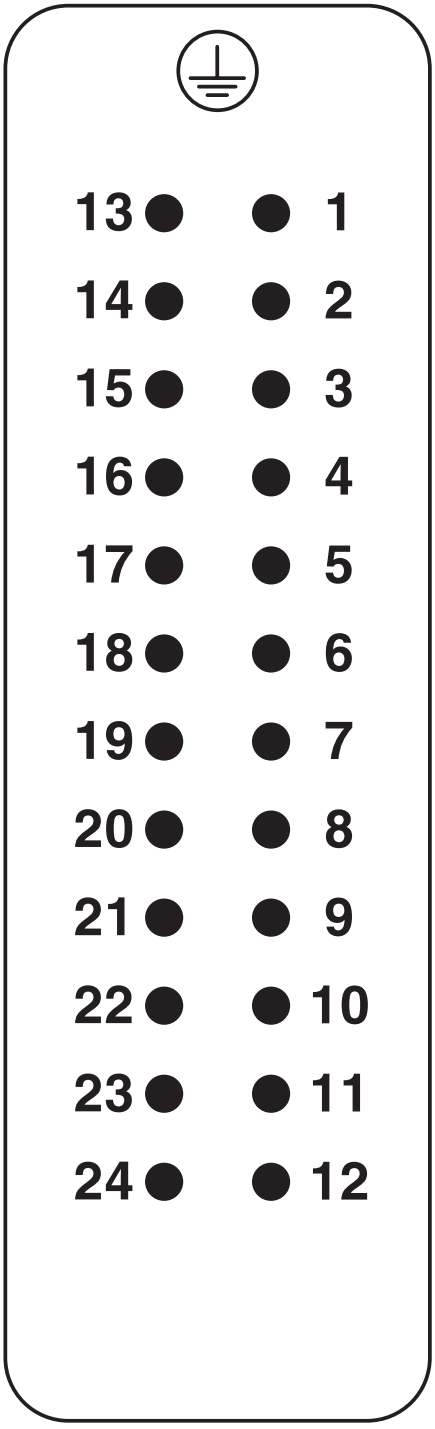
Dimensional drawing

Dimensional drawing



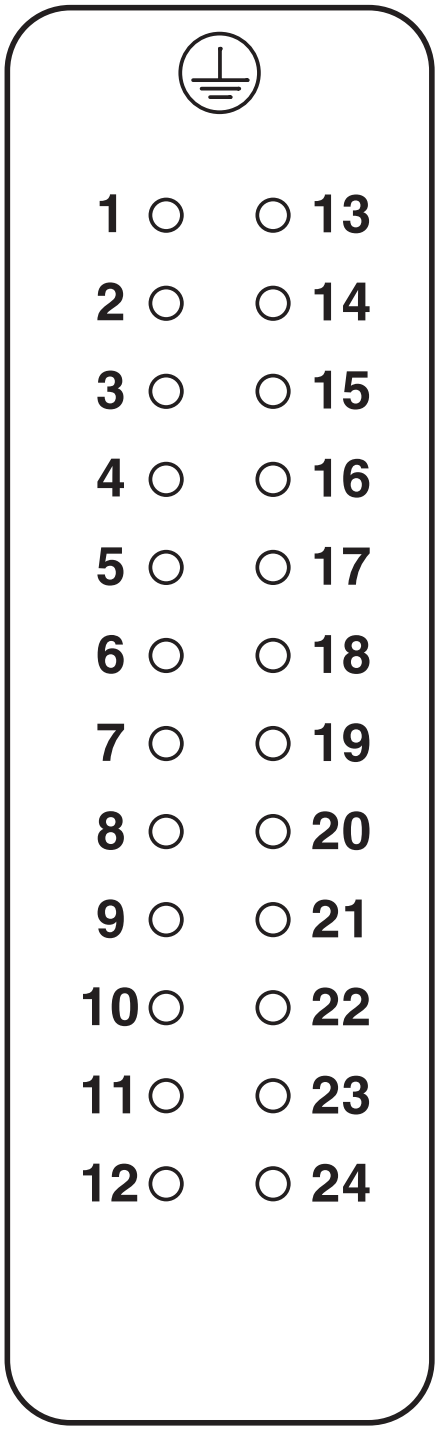
Mounting cutout

Schematic diagram



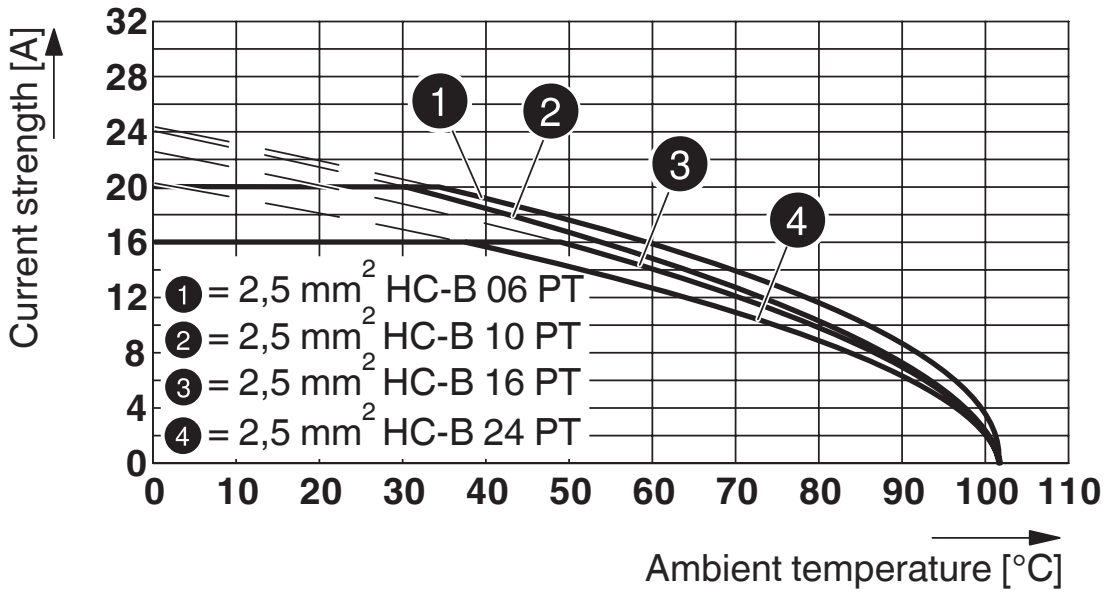
Pin assignment, connection side, pin

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/1411493

DNV
Approval ID: TAE000037S

Classifications

ECLASS

ECLASS-13.0	27440113
ECLASS-15.0	27440113

ETIM

ETIM 10.0	EC002636

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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