

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	BF7AFX
Catalog page	Page 637 (C-2-2017)
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



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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 mm² ... 2.5 mm², application: Power

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

1407736

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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 $\rm mm^2$... 2.5 $\rm mm^2$, application: Power



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HC-B-G-M32-EC-AL - Cable gland

1411440

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

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

1411330

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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



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HC-EVO-B24-HHFS-EL-AL - Housing

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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.



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Technical data

Product properties

Product type	Connector set		
Series	НС-В		
Туре	B24		
Number of positions	24		
Connection profile	24+PE		
No. of cable outlets	1		
Housing type	Complete housing		
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 mm ² 2.5 mm ² (with ferrule)
	0.14 mm ² 2.5 mm ² (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	130 140.5
Width	53 mm
Height	118.5 mm
Length	140.5 mm
Drill hole distance, horizontal	130 mm



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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
Seal material	NBR
	NBR
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA
Locking latch material	PA
Impact strength	IK08

Cable/line

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 instructions	Coding also using the CP-HC (1686478) coding profiles. HC-B6 / HC-B10for two coding profiles. HC-B16/ HC-B24for 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.

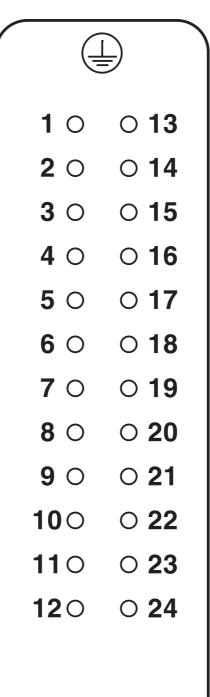


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Drawings

Schematic diagram

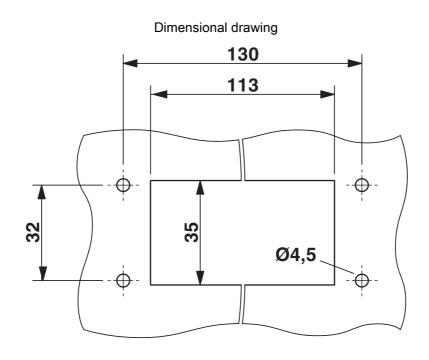


Pin assignment, connection side, socket

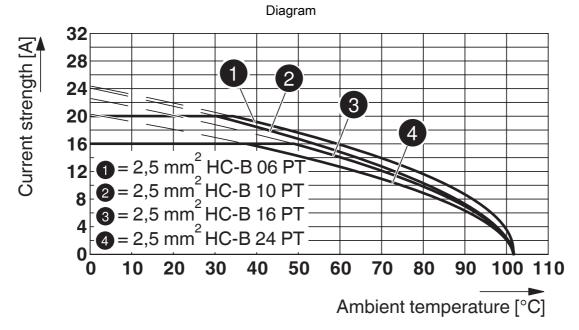


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Mounting cutout



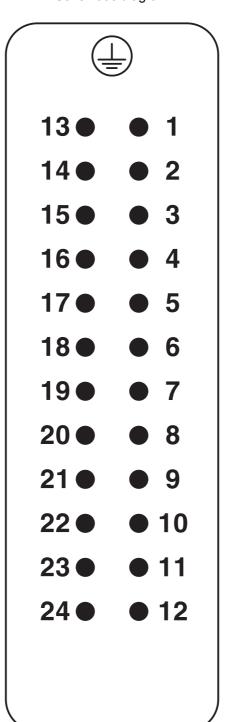
Derating diagram



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Schematic diagram



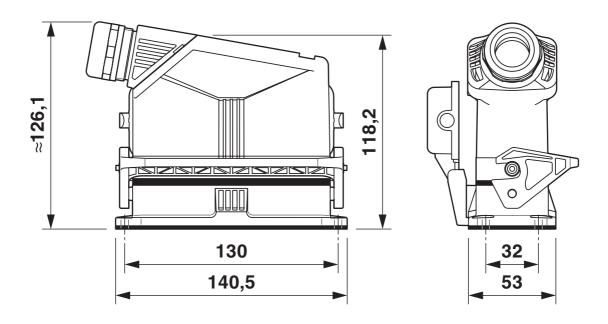
Pin assignment, connection side, pin



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Dimensional drawing



Dimensional drawing



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1411493

DNV

Approval ID: TAE000037S



EAC

Approval ID: RU C-DE.BL08.B.00511



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Classifications

ECLASS

	ECLASS-11.0	27440101			
	ECLASS-12.0	27440113			
	ECLASS-13.0	27440113			
ET	ETIM				
	ETIM 9.0	EC002636			
UNSPSC					
	UNSPSC 21.0	39121400			



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Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"



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Accessories

HC-B24-SL-PLBK - Housing brackets

1407701

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Replacement single locking latch for HEAVYCON EVO housing type B24, PA

US-EMLP-HA (20X9) - Plastic label

0830989

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Plastic label, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: adhesive, lettering field size: 20 x 9 mm, Number of individual labels: 70

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