

set

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



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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 mm² ... 2.5 mm², 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 mm² ... 2.5 mm², application: Power



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

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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



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

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



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Technical data

Product properties

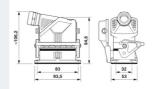
Туре	B10
Product type	Connector set
Number of positions	10
Connection profile	10+PE
No. of cable outlets	1
Housing type	Complete housing
Seal present	yes
Protective cover	yes
Series	НС-В
Cable outlet	straight
Insulation characteristics	
Overvoltage category	Ш
Degree of pollution	3
ectrical properties	
Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A
onnection 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)

8 mm ... 10 mm

Dimensions

Dimensional drawing

Stripping length



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



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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

External cable diameter ()

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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Classifications

ECLASS

ECLASS-11.0	27440101
ECLASS-12.0	27440113
ECLASS-13.0	27440113

ETIM

	ETIM 9.0	EC002636		
UN	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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