HC-EVO-B06PT-BWSC-HL-M20-PLRBK - Connector set

1407710

https://www.phoenixcontact.com/us/products/1407710

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EVO connector set, B6 series, plastic housing, consisting of: 1407727, 1407728, 1407622, 1407619, 1407669, plastic housing

Your advantages

- Lower costs than metal version
- Labeling option using 9 x 20 mm marking label
- Low weight
- Lower risk of condensation

Commercial data

Item number	1407710
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF63
Product key	BF7AFX
Catalog page	Page 646 (C-2-2019)
GTIN	4046356777759
Weight per piece (including packing)	315.8 g
Weight per piece (excluding packing)	315.1 g
Customs tariff number	85366990
Country of origin	CN

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Set consists of

HC-B06-I-PT-F - Contact insert

1407727

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Contact insert, number of positions: 6+PE, size: B6, 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-B06-I-PT-M - Contact insert

1407728

https://www.phoenixcontact.com/us/products/1407728

Contact insert, number of positions: 6+PE, size: B6, number of connections per position: 1, Pin, Push-in connection, 500 V, 16 A, 0.14 mm^2 ... 2.5 mm^2, application: Power

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HC-EVO-B06-BWSC-PLRBK - Housing

1407622

https://www.phoenixcontact.com/us/products/1407622

Panel mounting base B6, with single locking latch, material: PA, protective cover material: PC, height: 30.5 mm, cable gland: none, protective cover: yes, Standard, with flat gasket

HC-EVO-B06-HLFS-PLBK - Housing

1407619

https://www.phoenixcontact.com/us/products/1407619

HEAVYCON EVO sleeve housing, plastic, with bayonet flange for EVO screw connection, B6, for single locking latch, height: 60.5 mm, without EVO screw connection

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HC-B-G-M20-PLRBK - Cable gland

1407669

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EVO plastic cable gland with bayonet locking, for housing series B, size M20, cable diameter: 7 mm ... 13 mm

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Technical data

Product properties

Type	B6
Product type	Connector set
Number of positions	6
Connection profile	6+PE
Contact numbering	1 - 6
No. of cable outlets	1
Type of the screw connection	1x M20
Housing type	Complete housing
Protective cover	yes
Series	HC-B
Cable outlet	straight
Pg screw connection	none

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 (with ferrule)
Tightening torque	0.5 Nm ... 1.7 Nm (Fixing screws for panel mounting base)

Dimensions

Dimensional drawing	
Width	53 mm
Height	103 mm
Length	80.5 mm
Drill hole distance, horizontal	70 mm
Drill hole distance, vertical	32 mm

Installation dimensions

Width of the assembly cutout	35 mm
Length of the assembly cutout	52 mm

Material specifications

Material Protective cover	PA
Flammability rating according to UL 94	V0
Seal material Profile gasket	NBR
Seal material Flat gasket	NBR
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC
Locking latch material	PA
Impact strength	IK09
Housing material	PA

Cable/line

External cable diameter ()	7 mm ... 13 mm

Mechanical properties

Mechanical data

Type of the screw connection	1x M20
Locking type	Latch
Insertion/withdrawal cycles	≥ 500

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
Enclosure rating (NEMA)	12 (UL 50e)
Impact strength	IK09
Ambient temperature (operation)	-40 °C ... 100 °C

Mounting

Assembly instructions	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

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

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