HC-EVO-B16PT-BWSC-HH-M25-PLRBK - Connector set

1408793

https://www.phoenixcontact.com/in/products/1408793

PHŒNIX CONTACT

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EVO connector set, B16 series, plastic housing, consisting of sleeve housing, panel mounting base, push-in contact inserts: 1407731, 1407732, 1407647, 1407642, 1407670

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	1408793
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF7
Product Key	BF7AFX
Catalog Page	Page 646 (C-2-2019)
GTIN	4046356834100
Weight per Piece (including packing)	472.1 g
Weight per Piece (excluding packing)	472.1 g
Customs tariff number	85366990
Country of origin	CN

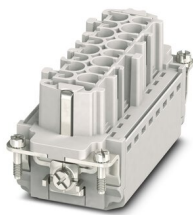# HC-EVO-B16PT-BWSC-HH-M25-PLRBK - Connector set

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Set consists of

HC-B16-I-PT-F - Contact insert

1407731
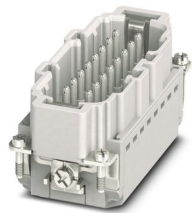
https://www.phoenixcontact.com/in/products/1407731

Contact insert, number of positions: 16+PE, size: B16, 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-B16-I-PT-M - Contact insert

1407732

https://www.phoenixcontact.com/in/products/1407732

Contact insert, number of positions: 16+PE, size: B16, 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-B16-BWSC-PLRBK - Housing

1407647

https://www.phoenixcontact.com/in/products/1407647

Panel mounting base B16, 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-B16-HHFS-PLBK - Housing

1407642

https://www.phoenixcontact.com/in/products/1407642

Sleeve housing B16, for single locking latch, material: PA, cable outlets: 1, straight/lateral, height: 78 mm, cable gland: none, Standard

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HC-B-G-M25-PLRBK - Cable gland

1407670

https://www.phoenixcontact.com/in/products/1407670

EVO plastic cable gland with bayonet locking, for housing series B, size M25, cable diameter: 9 mm ... 17 mm

Technical Data

Notes

General	Connectors may be operated only when there is no load/voltage.

Product properties

Type	B16
Product type	Connector set
Number of positions	16
Connection profile	16+PE
Contact numbering	1 - 16
No. of cable outlets	1
Type of the screw connection	1x M25
Housing type	Complete housing
Protective cover	yes
Locking type	Single locking latch
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

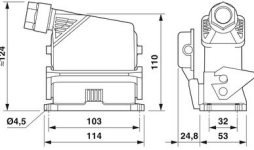|	
Connection method	Push-in connection
Connection technology	Push-in connection
Conductor cross section	0.14 mm² ... 2.5 mm² (with ferrule)
	0.14 mm² ... 2.5 mm² (with ferrule)
Connection cross section AWG	26 ... 14 (with ferrule)
Tightening torque	0.5 Nm ... 1.7 Nm (Fixing screws for panel mounting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

Dimensions

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Dimensional drawing	
Width	53 mm
Height	124 mm
Length	114 mm
Drill hole distance, horizontal	103 mm
Drill hole distance, vertical	32 mm

Installation dimensions

Width of the assembly cutout	35 mm
Length of the assembly cutout	86 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	PA
Locking latch material	PA
Impact strength	IK09
Housing material	PA

Cable/line

External cable diameter	9 mm ... 17 mm

Mechanical properties

Mechanical data

Type of the screw connection	1x M25
Locking type	Latch
Insertion/withdrawal cycles	≥ 500

Environmental and real-life conditions

Ambient conditions

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

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Mounting

Assembly instructions	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.
Connection method	Push-in connection