HC-STA-B16PT-BWD-LS-M25-ELCAL - Connector set

1416357

https://www.phoenixcontact.com/us/products/1416357

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Connector set, number of positions: 16, connection method: Push-in connection, connection cross section: AWG 26- 14

Commercial data

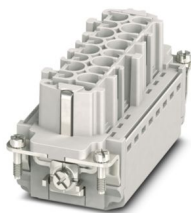|	
Item number	1416357
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF63
Product key	BF7AFX
Catalog page	Page 647 (C-2-2019)
GTIN	4055626071282
Weight per piece (including packing)	567.8 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85366990
Country of origin	CN

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Set consists of

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

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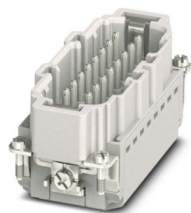
https://www.phoenixcontact.com/us/products/1407731

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/us/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-STA-B16-BWD-ELC-AL - Housing

1411327

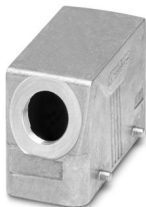https://www.phoenixcontact.com/us/products/1411327

HEAVYCON B16 panel mounting base, with double locking latch, with flat gasket, salt-water-resistant aluminum, conductive profile gasket

HC-STA-B16-HLFD-1STM25-EL-AL - Housing

1412717

https://www.phoenixcontact.com/us/products/1412717

Sleeve housing B16, for double locking latch, material: Die-cast aluminum, salt water resistant, cable outlets: 1, lateral, 1x M25, height: 60 mm, cable gland: none, Standard

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G-INS-M25-M68N-NNES-S - Cable gland

1411165

https://www.phoenixcontact.com/us/products/1411165

Cable gland, material for screw connection: Brass, nickel-plated, external cable diameter 11 mm ... 17 mm, shielding: no, connecting thread: M25 x 1.5, color: silver, with O-ring

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Technical data

Product properties

Type	B16
Product type	Connector set
Number of positions	16
Connection profile	16+PE
Application	Standard
No. of cable outlets	1
Housing type	Complete housing
Seal present	yes
Protective cover	no
Series	HC-B

Insulation characteristics

Overvoltage category	III
Degree of pollution	3
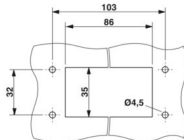
Electrical properties

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
Stripping length	8 mm ... 10 mm

Dimensions

Dimensional drawing	
Width	53 mm
Height	90.5 mm
Length	114 mm
Drill hole distance, horizontal	103 mm
Drill hole distance, vertical	32 mm
Hole diameter	4.5 mm

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Installation dimensions

Width of the assembly cutout	35 mm
Length of the assembly cutout	86 mm

Material specifications

Material Housing	Die-cast aluminum, saltwater-resistant
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

Cable/line

External cable diameter ()	11 mm ... 17 mm
	14 mm ... 17 mm (for UL 514 B)

Mechanical properties

Mechanical data

Locking type	Latch
Insertion/withdrawal cycles	≥ 500

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP67
Enclosure rating (NEMA)	4 (UL 50e)
	4X (UL 50e)
	12 (UL 50e)
Impact strength	IK09
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-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.

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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

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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"