HC-KIT-B16-R03 - Connector set

1409736

https://www.phoenixcontact.com/us/products/1409736

PHŒNIX CONTACT

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Connector set, consisting of: B16 sleeve housing and panel mounting base, 16-pos. plug and socket insert, M25 cable gland

Commercial data

Item number	1409736
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF63
Product key	BF7AFX
GTIN	4046356752688
Weight per piece (including packing)	568.9 g
Weight per piece (excluding packing)	534.8 g
Customs tariff number	85366990
Country of origin	CN

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Set consists of

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

1411165

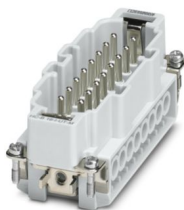https://www.phoenixcontact.com/us/products/1411165

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

HC-B 16-I-UT-M - Contact insert

1648238

https://www.phoenixcontact.com/us/products/1648238

Contact insert, number of positions: 16+PE, size: B16, number of connections per position: 1, Pin, Screw connection, 500 V, 16 A, 0.5 mm^2 ... 2.5 mm^2, application: Power
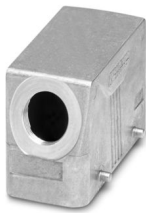
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1409736

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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

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
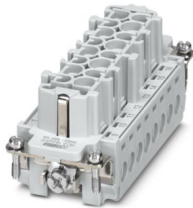
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HC-B 16-I-UT-F - Contact insert

1648241

https://www.phoenixcontact.com/us/products/1648241

Contact insert, number of positions: 16+PE, size: B16, number of connections per position: 1, Socket, Screw connection, 500 V, 20 A, 0.5 mm^2 ... 2.5 mm^2, application: Power

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Technical data

Product properties

Type	B16
Product type	Connector set
Number of positions	16
Connection profile	16+PE
Application	Power
No. of cable outlets	1
Housing type	Complete housing
Seal present	yes
Protective cover	no
Contact material type	turned
Cable outlet	lateral

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	20 A
Nominal voltage U_N	500 V
Nominal current I_N	16 A

Connection data

Connection method	Screw connection
Connection technology	Screw connection
Conductor cross section	0.5 mm² ... 2.5 mm² (applies to stranded conductors with ferrules)
	0.5 mm² ... 2.5 mm² (applies to stranded conductors with ferrules)
Connection cross section AWG	20 ... 14
Tightening torque	0.5 Nm ... 0.8 Nm

Dimensions

Dimensional drawing	
Width	43 mm
Height	92 mm
Length	114 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
Flammability rating according to UL 94	V0
Seal material	NBR, conductive
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)
External cable diameter	11 mm ... 16 mm

Mechanical properties

Mechanical data

Locking type	Latch

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
Impact strength	IK09
Ambient temperature (operation)	-40 °C ... 100 °C

Mounting

Mounting type	Screw mounting

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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"