HC-KIT-B06-R01 - Connector set

1409671

https://www.phoenixcontact.com/us/products/1409671

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Connector set, consisting of: B6 sleeve housing and panel mounting base, 6-pos. plug and socket insert, M20 cable gland

Commercial data

Item number	1409671
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	NULL
Product key	BF7AFX
GTIN	4046356752428
Weight per piece (including packing)	385.5 g
Weight per piece (excluding packing)	385.5 g
Customs tariff number	85366990
Country of origin	CN

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Set consists of

G-INS-M20-S68N-NNES-S - Cable gland

1411163

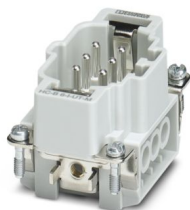https://www.phoenixcontact.com/us/products/1411163

Cable gland, material for screw connection: Brass, nickel-plated, external cable diameter 6 mm ... 12 mm, shielding: no, connecting thread: M20 x 1.5, color: silver, with O-ring

HC-B 6-I-UT-M - Contact insert

1648115

https://www.phoenixcontact.com/us/products/1648115

Contact insert, number of positions: 6+PE, size: B6, 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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HC-STA-B06-HLFS-1TTM20-EL-AL - Housing

1412574

https://www.phoenixcontact.com/us/products/1412574

Sleeve housing B6, for single locking latch, material: Die-cast aluminum, salt water resistant, cable outlets: 1, straight, 1x M20, height: 52 mm, cable gland: none, Standard

HC-STA-B06-BWSC-ELC-AL - Housing

1411319

https://www.phoenixcontact.com/us/products/1411319

Panel mounting base B6, 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 6-I-UT-F - Contact insert

1648128

https://www.phoenixcontact.com/us/products/1648128

Contact insert, number of positions: 6+PE, size: B6, number of connections per position: 1, Socket, Screw connection, 500 V, 16 A, 0.5 mm^2 ... 2.5 mm^2, application: Power

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Technical data

Product properties

Type	B6
Product type	Connector set
Number of positions	6
Connection profile	6+PE
Application	Power
No. of cable outlets	1
Housing type	Complete housing
Seal present	yes
Protective cover	yes
Contact material type	turned
Cable outlet	straight

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	24 A
Nominal voltage U_N	500 V
Nominal current I_N	16 A

Connection data

Connection method	Screw connection
Connection technology	Screw connection
Connection in acc. with standard	IEC / EN
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	0.8 Nm ... 1.2 Nm (PE connection)
	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
	0.5 Nm ... 0.8 Nm

Dimensions

Dimensional drawing	

Width	43 mm
Height	120 mm
Length	80 mm

Installation dimensions	
Width of the assembly cutout	35 mm
Length of the assembly cutout	52 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 ()	6 mm ... 12 mm
	10 mm ... 12 mm (for UL 514 B)
External cable diameter	9 mm ... 13 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"