

# HC-KIT-B16-R03 - Connector set



1409736

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

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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	AF7AFX
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>



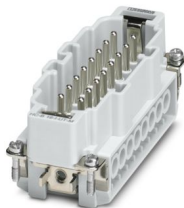
Cable gland, material for screw connection: Brass, nickel-plated, application: Standard, external cable diameter 11 mm ... 17 mm, shielding: no, connecting thread: M25 x 1.5, color: silver-colored, with O-ring

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### 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<sup>2</sup> ... 2.5 mm<sup>2</sup>, application: Power

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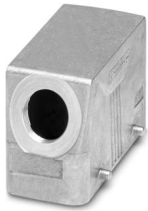
<https://www.phoenixcontact.com/us/products/1409736>



## 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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## 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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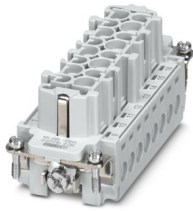
<https://www.phoenixcontact.com/us/products/1409736>



## 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, 16 A, 0.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, application: Power

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## Technical data

### Product properties

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

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

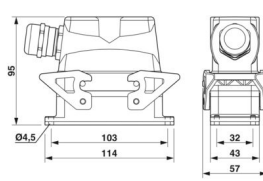
### Electrical properties

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 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (applies to stranded conductors with ferrules) 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (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

## 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
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## 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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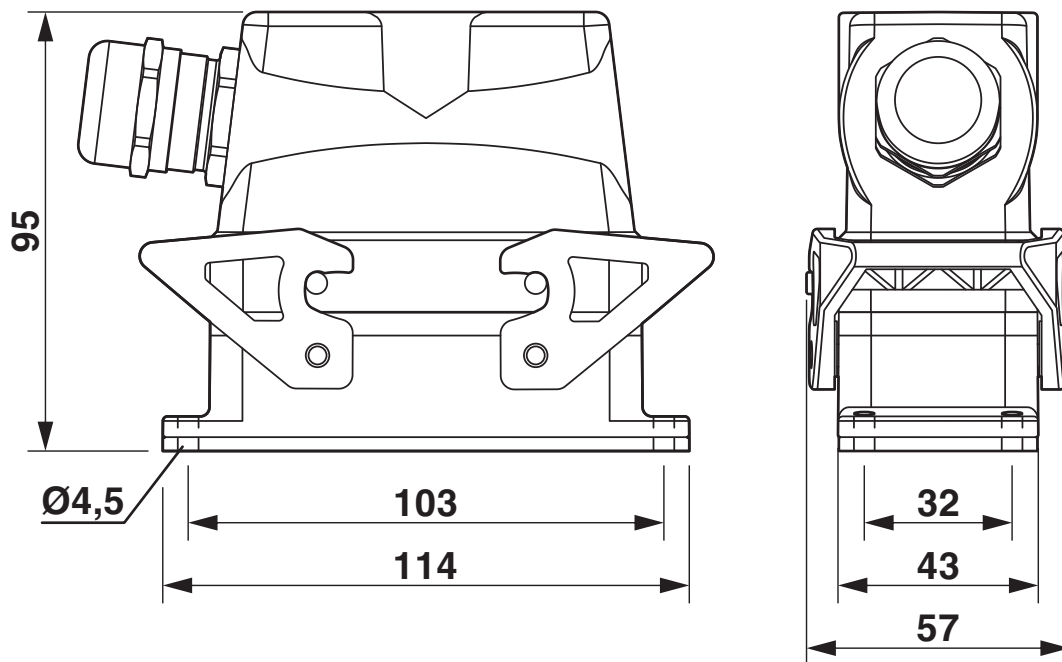
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## Drawings

Dimensional drawing



Dimensional drawing

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## Classifications

### ECLASS

ECLASS-13.0	27440113
ECLASS-15.0	27440113

### ETIM

ETIM 10.0	EC002636
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	2c6dd46c-c137-4913-9099-563253a3d189

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)