# HC-KIT-B24-R02 - Connector set

1409752

https://www.phoenixcontact.com/us/products/1409752

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Connector set, consisting of: B24 sleeve housing and panel mounting base, 24-pos. plug and socket insert, M32 cable gland

## Commercial data

| | |
|---|---|
| Item number | 1409752 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF63 |
| Product key | AF7AFX |
| GTIN | 4046356752701 |
| Weight per piece (including packing) | 778.7 g |
| Weight per piece (excluding packing) | 778.7 g |
| Customs tariff number | 85366990 |
| Country of origin | CN |

## Set consists of

### G-INS-M32-M68N-NNES-S - Cable gland

1411166

https://www.phoenixcontact.com/us/products/1411166



Cable gland, material for screw connection: Brass, nickel-plated, application: Standard, external cable diameter 15 mm ... 21 mm, shielding: no, connecting thread: M32 x 1.5, color: silver-colored, with O-ring

### HC-B 24-I-UT-M - Contact insert

1648296

https://www.phoenixcontact.com/us/products/1648296



Contact insert, number of positions: 24+PE, size: B24, number of connections per position: 1, Pin, Screw connection, 500 V, 16 A, 0.5 $mm^2$ ... 2.5 $mm^2$, application: Power

## HC-STA-B24-HLFS-1STM32-EL-AL - Housing

1412784

https://www.phoenixcontact.com/us/products/1412784



Sleeve housing B24, for single locking latch, material: Die-cast aluminum, salt water resistant, cable outlets: 1, lateral, 1x M32, height: 60 mm, cable gland: none, Standard

## HC-STA-B24-BWSC-ELC-AL - Housing

1411330

https://www.phoenixcontact.com/us/products/1411330

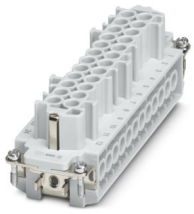


Panel mounting base B24, with single locking latch, material: Die-cast aluminum, salt water resistant, protective cover material: PC, height: 30.5 mm, cable gland: none, protective cover: yes, Standard, with flat gasket

## HC-B 24-I-UT-F - Contact insert

1648306

https://www.phoenixcontact.com/us/products/1648306



Contact insert, number of positions: 24+PE, size: B24, number of connections per position: 1, Socket, Screw connection, 500 V, 16 A, 0.5 $mm^2$ ... 2.5 $mm^2$, application: Power

## Technical data

### Product properties

| | |
|---|---|
| Product type | Connector set |
| Housing type | Complete housing |
| Application | Power |
| Type | B24 |
| Number of positions | 24 |
| Connection profile | 24+PE |
| No. of cable outlets | 1 |
| Seal present | yes |
| Protective cover | yes |
| Contact material type | turned |
| Cable outlet | lateral |

Insulation characteristics

| | |
|---|---|
| Overvoltage category | III |
| Degree of pollution | 3 |

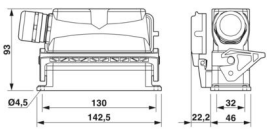
### Electrical properties

| | |
|---|---|
| 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 | 140 mm |

Installation dimensions

| | |
|---|---|
| Width of the assembly cutout | 35 mm |
| Length of the assembly cutout | 113 mm |

## Material specifications

| | |
|---|---|
| Material Housing | Die-cast aluminum |
| Flammability rating according to UL 94 | V0 |
| Contact material | Copper alloy |
| Contact surface material | Ag |
| Contact carrier material | PC |
| Locking latch material | PA |

## Cable/line

| | |
|---|---|
| External cable diameter | 15 mm ... 21 mm |
| | 17 mm ... 21 mm (for UL 514 B) |
| External cable diameter | 14 mm ... 21 mm |

## Mechanical properties

Mechanical data

| | |
|---|---|
| Locking type | Latch |

## Environmental and real-life conditions

Ambient conditions

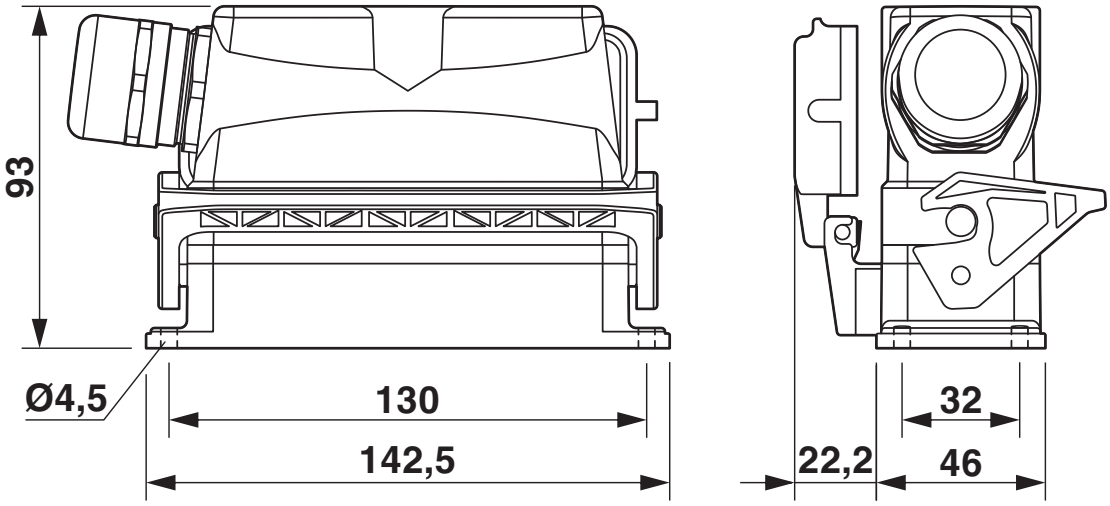
| | |
|---|---|
| Degree of protection | IP65 |
| Impact strength | IK09 |
| Ambient temperature (operation) | -40 °C ... 100 °C |

## Mounting

| | |
|---|---|
| Mounting type | Screw mounting |

## Drawings

Dimensional drawing




Dimensional drawing

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440113 |
| ECLASS-15.0 | 27440113 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002636 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121400 |

## 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 | f52d04cc-ad99-4505-80c0-c66ab6b4f946 |


Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com



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