

HC-KIT-B24-R01 - Connector set

1409749

<https://www.phoenixcontact.com/us/products/1409749>



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



Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1409749 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF63 |
| Product key | BF7AFX |
| GTIN | 4046356752695 |
| Weight per piece (including packing) | 799 g |
| Weight per piece (excluding packing) | 707.35 g |
| Customs tariff number | 85366990 |
| Country of origin | CN |

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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, 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 mm² ... 2.5 mm², application: Power

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HC-STA-B24-HLFS-1TTM32-EL-AL - Housing

1412789

<https://www.phoenixcontact.com/us/products/1412789>



Sleeve housing B24, for single locking latch, material: Die-cast aluminum, salt water resistant, cable outlets: 1, straight, 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

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

1648306

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Contact insert, number of positions: 24+PE, size: B24, number of connections per position: 1, Socket, Screw connection, 500 V, 16 A, 0.5 mm² ... 2.5 mm², application: Power



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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 | 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 | 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 ² ... 2.5 mm ² (applies to stranded conductors with ferrules) |
| | 0.5 mm ² ... 2.5 mm ² (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 | 135 mm |
| Length | 140 mm |

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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 |
| 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 | 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 |
|---------------|----------------|

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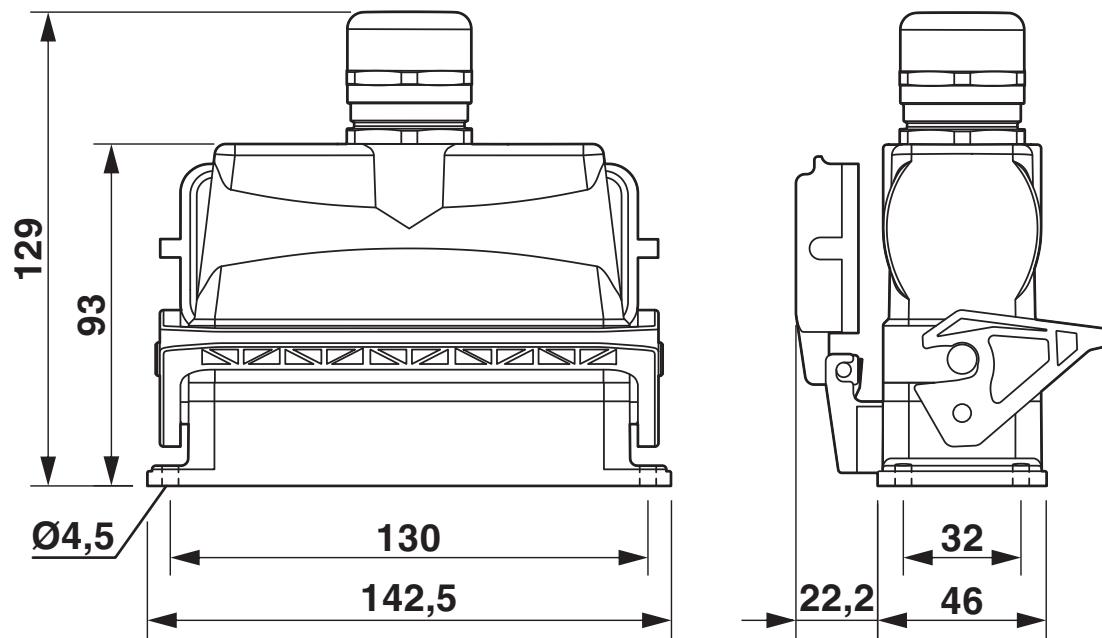
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Drawings

Dimensional drawing



Dimensional drawing

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Approvals

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EAC

Approval ID: RU C-DE.BL08.B.00511

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440101 |
| ECLASS-12.0 | 27440113 |
| ECLASS-13.0 | 27440113 |

ETIM

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| ETIM 9.0 | EC002636 |
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UNSPSC

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| 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 | 357138f7-c414-4d85-8a1d-d4ba5b509e4c |

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