

HC-STA-B24PT-BWD-LT-M32-ELCAL - Connector set



1416352

<https://www.phoenixcontact.com/us/products/1416352>

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Connector set, number of positions: 24, connection method: Push-in connection, connection cross section: AWG 26- 14, cable outlet: straight

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1416352 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF63 |
| Product key | AF7AFX |
| GTIN | 4055626071237 |
| Weight per piece (including packing) | 727.1 g |
| Weight per piece (excluding packing) | 725 g |
| Customs tariff number | 85366990 |
| Country of origin | CN |

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Set consists of

HC-B24-I-PT-F - Contact insert

1407735

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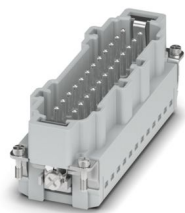


Contact insert, number of positions: 24+PE, size: B24, number of connections per position: 1, Socket, Push-in connection, 500 V, 16 A, 0.14 mm² ... 2.5 mm², application: Power

HC-B24-I-PT-M - Contact insert

1407736

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Contact insert, number of positions: 24+PE, size: B24, number of connections per position: 1, Pin, Push-in connection, 500 V, 16 A, 0.14 mm² ... 2.5 mm², application: Power

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HC-STA-B24-BWD-ELC-AL - Housing

1411331

<https://www.phoenixcontact.com/us/products/1411331>



HEAVYCON B24 panel mounting base, with double locking latch, with flat gasket, salt-water-resistant aluminum, conductive profile gasket

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

1412779

<https://www.phoenixcontact.com/us/products/1412779>



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

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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

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Technical data

Product properties

| | |
|----------------------|------------------|
| Product type | Connector set |
| Housing type | Complete housing |
| Series | HC-B |
| Application | Standard |
| Type | B24 |
| Number of positions | 24 |
| Connection profile | 24+PE |
| No. of cable outlets | 1 |
| Seal present | yes |
| Protective cover | no |
| Cable outlet | straight |

Insulation characteristics

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

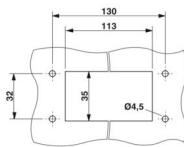
Electrical properties

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

Connection data

| | |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Connection method | Push-in connection |
| Connection technology | Push-in connection |
| Conductor cross-section | 0.14 mm ² ... 2.5 mm ² (with ferrule) 0.14 mm ² ... 2.5 mm ² (with ferrule) |
| Connection cross section AWG | 26 ... 14 |
| Stripping length | 8 mm ... 10 mm |

Dimensions

| | |
|---------------------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width | 53 mm |
| Height | 90.5 mm |
| Length | 140.5 mm |
| Drill hole distance, horizontal | 130 mm |

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| | |
|-------------------------------|--------|
| Drill hole distance, vertical | 32 mm |
| Hole diameter | 4.5 mm |

Installation dimensions

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

Material specifications

| | |
|----------------------------------------|----------------------------------------|
| Material Housing | Die-cast aluminum, saltwater-resistant |
| Flammability rating according to UL 94 | V0 |
| Seal material Profile gasket | NBR |
| Seal material Flat gasket | NBR |
| 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) |

Mechanical properties

Mechanical data

| | |
|-----------------------------|-------|
| Locking type | Latch |
| Insertion/withdrawal cycles | ≥ 500 |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|-------------------|
| Degree of protection | IP66 |
| | IP67 |
| Enclosure rating (NEMA) | 4 (UL 50e) |
| | 4X (UL 50e) |
| | 12 (UL 50e) |
| Impact strength | IK09 |
| Ambient temperature (operation) | -40 °C ... 100 °C |

Mounting

| | |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting type | Screw mounting |
| Assembly note | <p>Coding also using the CP-HC (1686478) coding profiles. HC-B6.. / HC-B10..for two coding profiles. HC-B16.. / HC-B24..for four coding profiles.</p> <p>Connectors may only be operated when there is no load/the power is switched off. Can be used for solid wires and stranded wires with ferrule.</p> |

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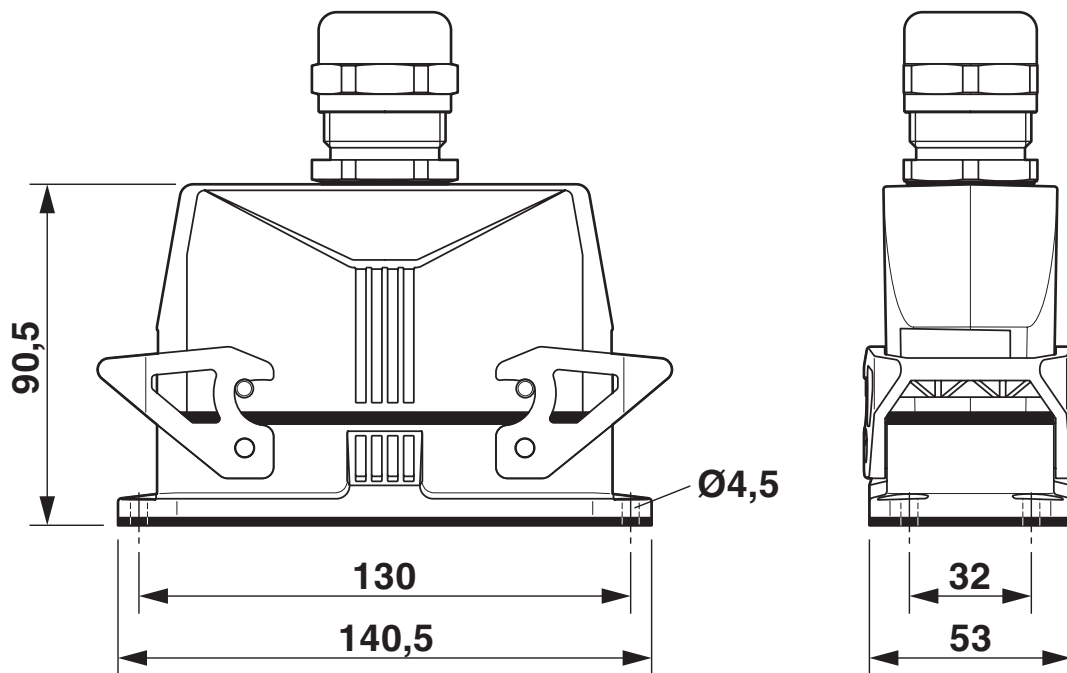
Drawings

Dimensional drawing



Mounting cutout

Dimensional drawing

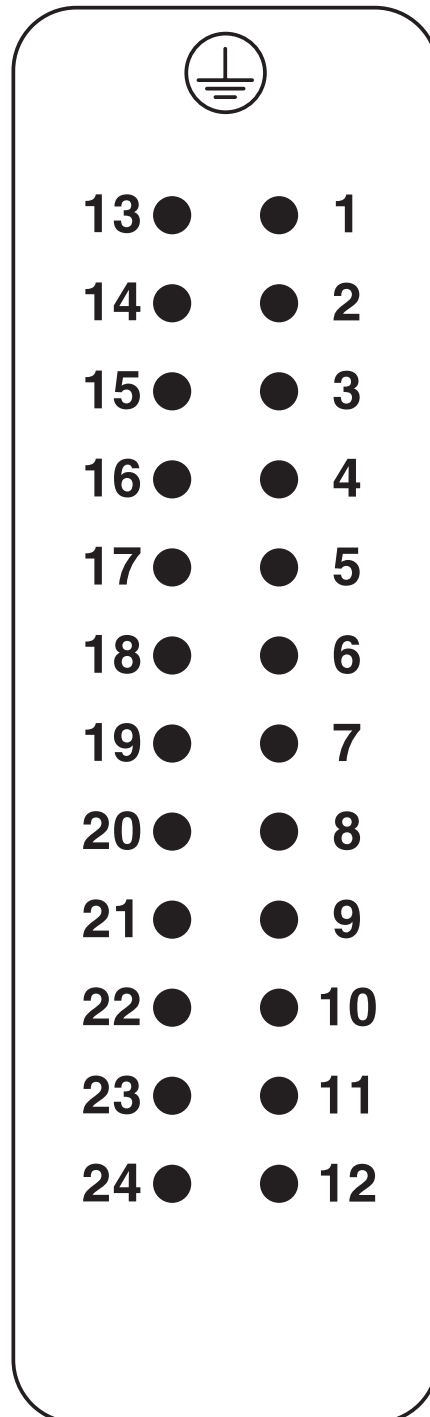


Dimensional drawing

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Schematic diagram

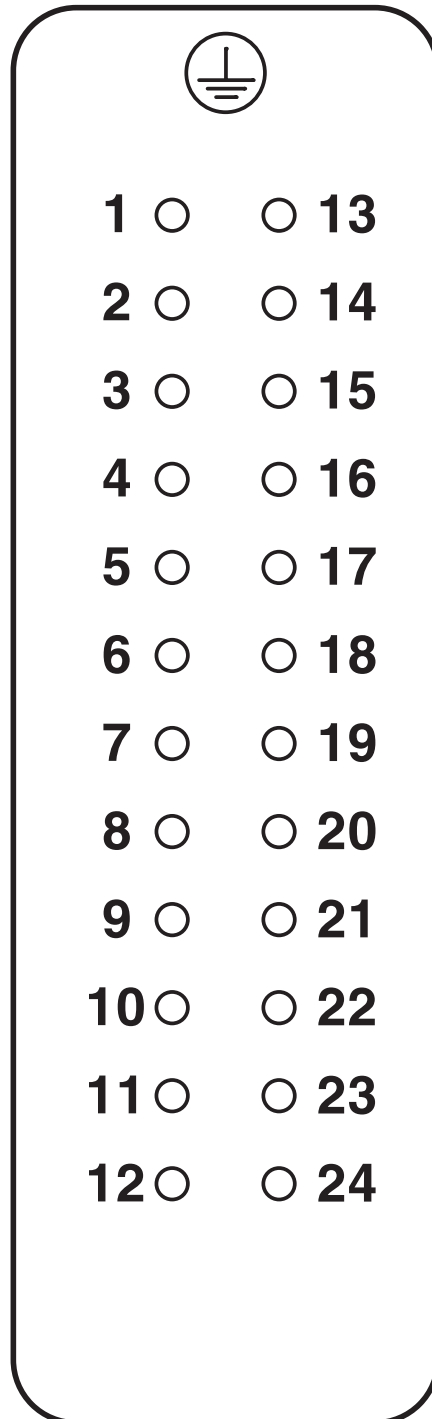


Pin assignment, connection side, pin

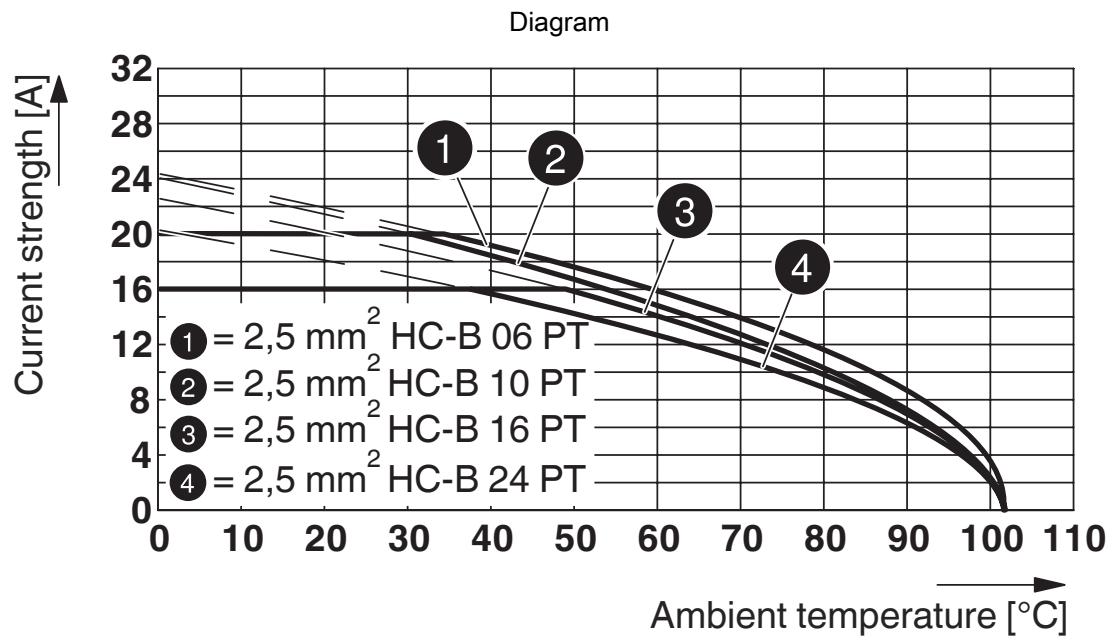
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Schematic diagram



Pin assignment, connection side, socket



Derating diagram

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Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1416352>

DNV

Approval ID: TAE000037S

ENEC

EAC

Approval ID: RU C-DE.AI30.B.01102

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Classifications

ECLASS

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

ETIM

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

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 | 5b982bab-a80b-4bf0-a492-df8d5bace9eb |

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