

HC-STA-B16PT-BWSC-LT-M25-ELCAL - Connector set



1416348

<https://www.phoenixcontact.com/us/products/1416348>

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, number of positions: 16, connection method: Push-in connection, connection cross section: AWG 26- 14, cable outlet: straight

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1416348 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF63 |
| Product key | AF7AFX |
| GTIN | 4055626071206 |
| Weight per piece (including packing) | 599.1 g |
| Weight per piece (excluding packing) | 599.1 g |
| Customs tariff number | 85366990 |
| Country of origin | CN |

HC-STA-B16PT-BWSC-LT-M25-ELCAL - Connector set



1416348

<https://www.phoenixcontact.com/us/products/1416348>

Set consists of

HC-B16-I-PT-F - Contact insert

1407731

<https://www.phoenixcontact.com/us/products/1407731>



Contact insert, number of positions: 16+PE, size: B16, number of connections per position: 1, Socket, Push-in connection, 500 V, 16 A, 0.14 mm² ... 2.5 mm², application: Power

HC-B16-I-PT-M - Contact insert

1407732

<https://www.phoenixcontact.com/us/products/1407732>



Contact insert, number of positions: 16+PE, size: B16, number of connections per position: 1, Pin, Push-in connection, 500 V, 16 A, 0.14 mm² ... 2.5 mm², application: Power

HC-STA-B16PT-BWSC-LT-M25-ELCAL - Connector set



1416348

<https://www.phoenixcontact.com/us/products/1416348>

HC-STA-B16-BWSC-ELC-AL - Housing

1411325

<https://www.phoenixcontact.com/us/products/1411325>



Panel mounting base B16, 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-STA-B16-HLFS-1TTM25-EL-AL - Housing

1412729

<https://www.phoenixcontact.com/us/products/1412729>



Sleeve housing B16, for single locking latch, material: Die-cast aluminum, salt water resistant, cable outlets: 1, straight, 1x M25, height: 60 mm, cable gland: none, Standard

HC-STA-B16PT-BWSC-LT-M25-ELCAL - Connector set



1416348

<https://www.phoenixcontact.com/us/products/1416348>

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

HC-STA-B16PT-BWSC-LT-M25-ELCAL - Connector set



1416348

<https://www.phoenixcontact.com/us/products/1416348>

Technical data

Product properties

| | |
|----------------------|------------------|
| Product type | Connector set |
| Housing type | Complete housing |
| Series | HC-B |
| Application | Standard |
| Type | B16 |
| Number of positions | 16 |
| Connection profile | 16+PE |
| No. of cable outlets | 1 |
| Seal present | yes |
| Protective cover | yes |
| Cable outlet | straight |

Insulation characteristics

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

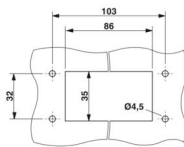
Electrical properties

| | |
|-----------------------|-------|
| 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 | 114 mm |
| Drill hole distance, horizontal | 103 mm |

HC-STA-B16PT-BWSC-LT-M25-ELCAL - Connector set



1416348

<https://www.phoenixcontact.com/us/products/1416348>

| | |
|-------------------------------|--------|
| 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 | 86 mm |

Material specifications

| | |
|--|--|
| Material Housing | Die-cast aluminum, saltwater-resistant |
| Material Protective cover | PA |
| 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 | 11 mm ... 17 mm |
| | 14 mm ... 17 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 |
| Impact strength | IK08 |
| Ambient temperature (operation) | -40 °C ... 100 °C |

Mounting

| | |
|---------------|--|
| Mounting type | Screw mounting |
| Assembly note | 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. |
| | 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. |

HC-STA-B16PT-BWSC-LT-M25-ELCAL - Connector set



1416348

<https://www.phoenixcontact.com/us/products/1416348>

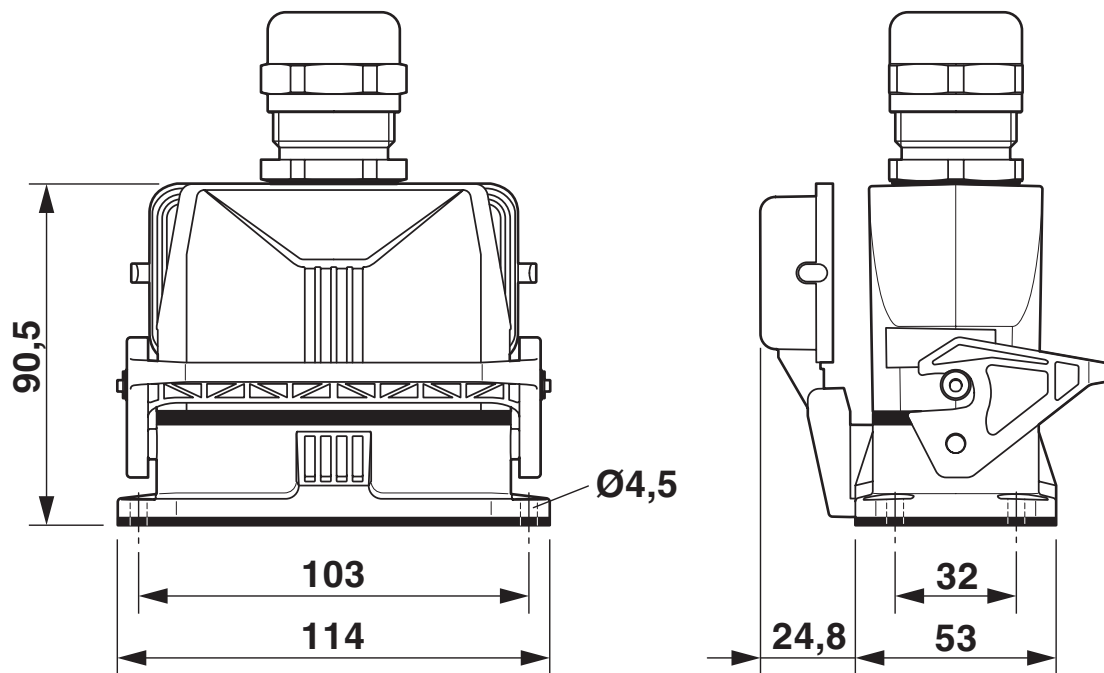
Drawings

Dimensional drawing



Mounting cutout

Dimensional drawing



Dimensional drawing

HC-STA-B16PT-BWSC-LT-M25-ELCAL - Connector set



1416348

<https://www.phoenixcontact.com/us/products/1416348>

Schematic diagram



Pin assignment, connection side, pin

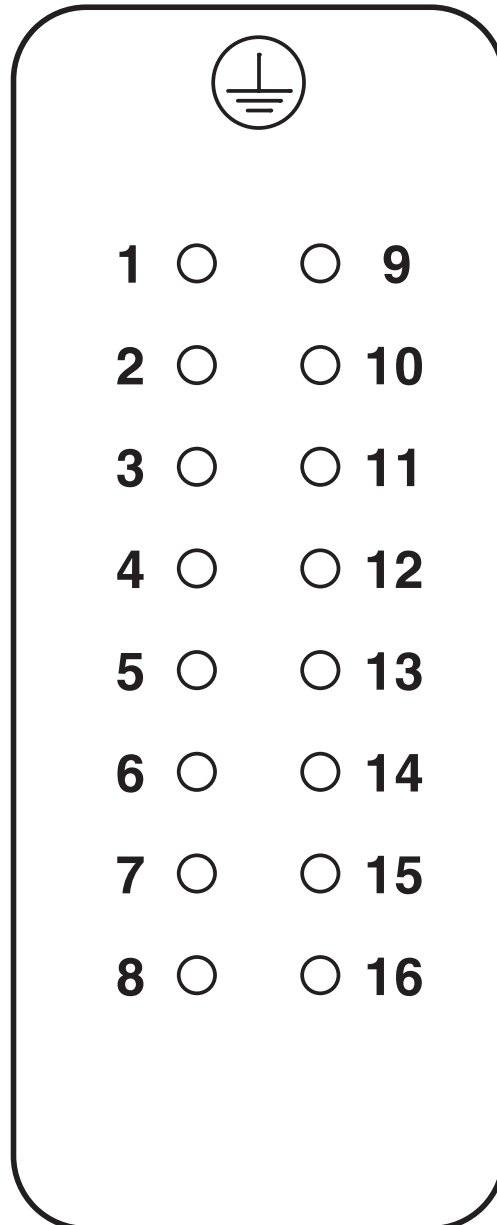
HC-STA-B16PT-BWSC-LT-M25-ELCAL - Connector set



1416348

<https://www.phoenixcontact.com/us/products/1416348>

Schematic diagram



Pin assignment, connection side, socket

HC-STA-B16PT-BWSC-LT-M25-ELCAL - Connector set



1416348

<https://www.phoenixcontact.com/us/products/1416348>



Derating diagram

HC-STA-B16PT-BWSC-LT-M25-ELCAL - Connector set



1416348

<https://www.phoenixcontact.com/us/products/1416348>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1416348>

DNV

Approval ID: TAE000037S



EAC

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

HC-STA-B16PT-BWSC-LT-M25-ELCAL - Connector set



1416348

<https://www.phoenixcontact.com/us/products/1416348>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

HC-STA-B16PT-BWSC-LT-M25-ELCAL - Connector set



1416348

<https://www.phoenixcontact.com/us/products/1416348>

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 | 2152c7cc-2aec-4007-ae0b-64cafd238b17 |

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