

## Connector set - HC-STA-B16PT-BWD-LS-M25-ELCAL - 1416357

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Connector set, number of positions: 16, material: Die-cast aluminum, salt water resistant, connection method: Push-in connection, connection cross section: AWG 26- 14



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 055626 071282 |
| GTIN         | 4055626071282                                                                                           |

### Technical data

#### General

|                                  |                                                             |
|----------------------------------|-------------------------------------------------------------|
| Number of positions              | 16+PE                                                       |
| Type                             | B16                                                         |
| Connection method                | Push-in connection                                          |
| Degree of protection for housing | IP66                                                        |
|                                  | IP67                                                        |
|                                  | 4 (UL 50e)                                                  |
|                                  | 4X (UL 50e)                                                 |
|                                  | 12 (UL 50e)                                                 |
| Connection method                | Push-in connection                                          |
| Rated voltage (III/3)            | 500 V                                                       |
| Rated surge voltage              | 6 kV                                                        |
| Rated current                    | 16 A                                                        |
| Conductor cross section          | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (with ferrule) |
| Connection cross section AWG     | 26 ... 14                                                   |
| External cable diameter          | 11 mm ... 17 mm                                             |
| Ambient temperature (operation)  | -40 °C ... 100 °C                                           |

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### Technical data

#### General

|                               |                                         |
|-------------------------------|-----------------------------------------|
| Length of the assembly cutout | 86 mm                                   |
| Width of the assembly cutout  | 35 mm                                   |
| Housing material              | Die-cast aluminum, salt water resistant |
| Contact carrier material      | PC                                      |
| Locking latch material        | PA                                      |
| Integrated protective cover   | no                                      |

#### Standards and Regulations

|                                        |    |
|----------------------------------------|----|
| Flammability rating according to UL 94 | V0 |
|----------------------------------------|----|

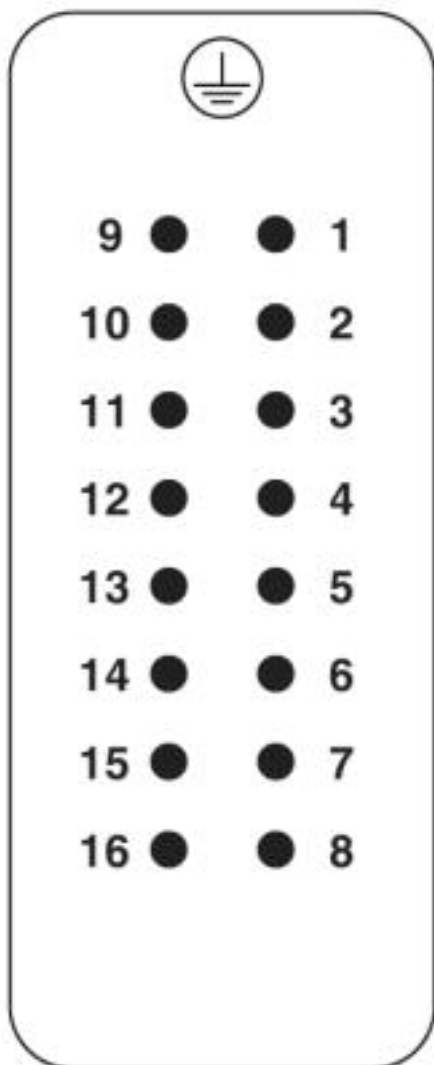
#### Environmental Product Compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                          |
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

### Drawings

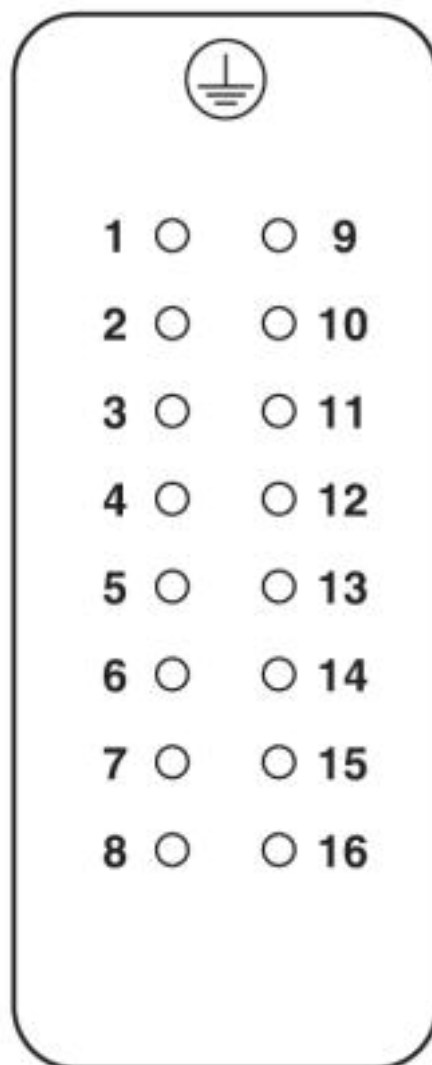
## Connector set - HC-STA-B16PT-BWD-LS-M25-ELCAL - 1416357

Schematic diagram



Pin assignment, connection side, pin

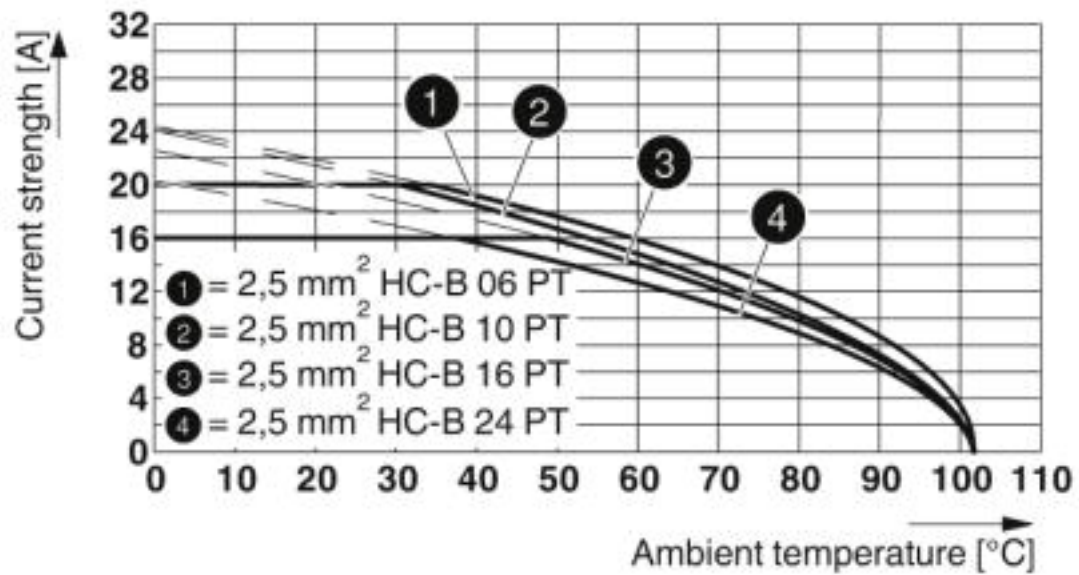
Schematic diagram



Pin assignment, connection side, socket

## Connector set - HC-STA-B16PT-BWD-LS-M25-ELCAL - 1416357

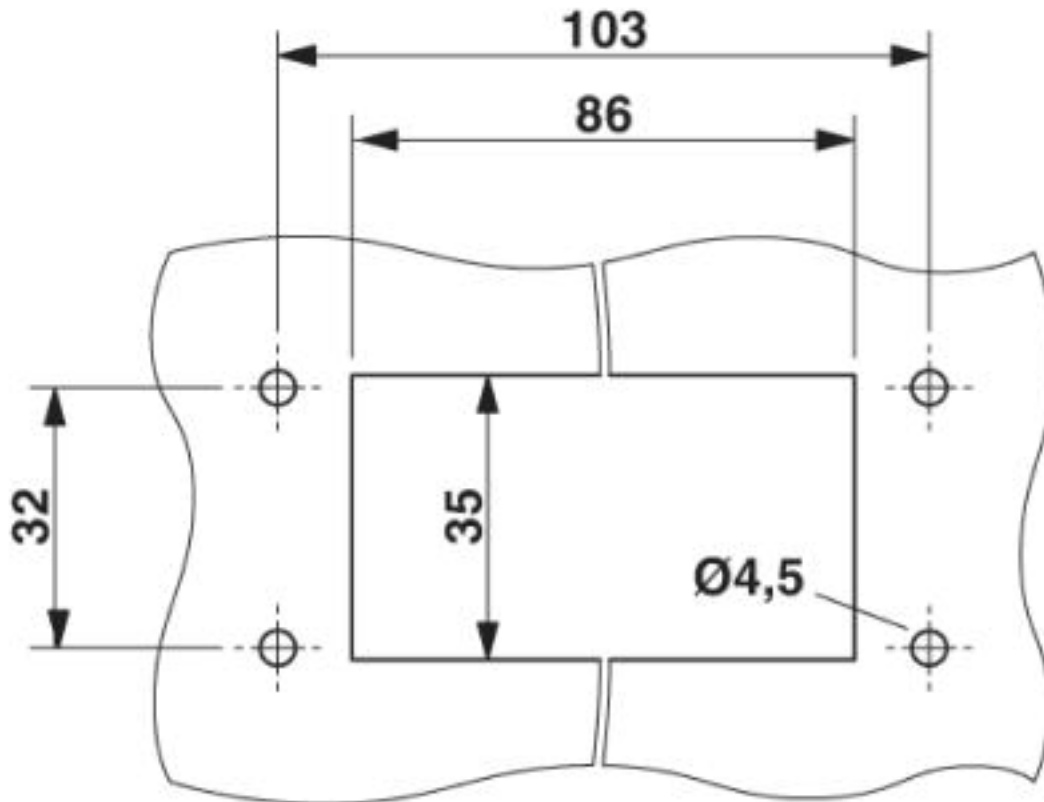
Diagram



Derating diagram

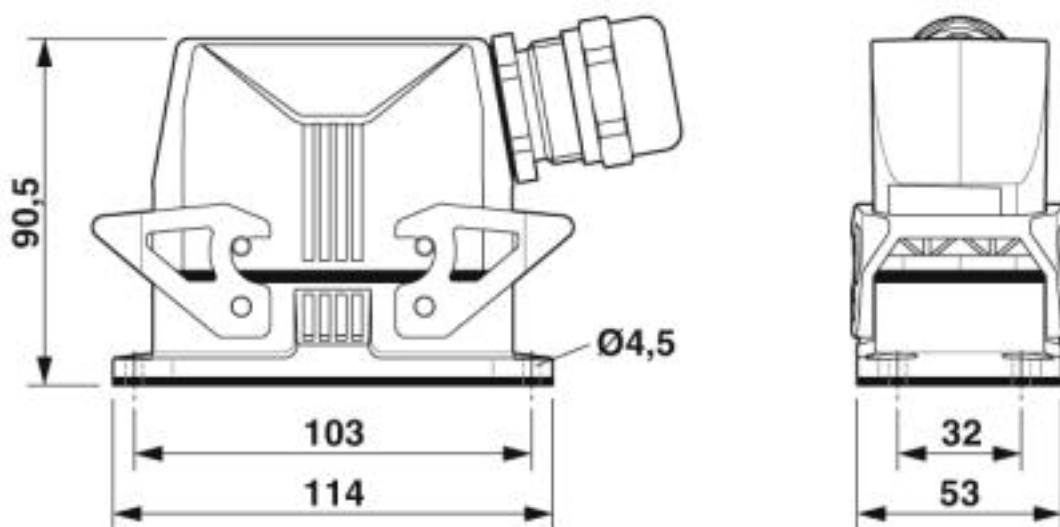
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Dimensional drawing



Mounting cutout

Dimensional drawing



Dimensional drawing

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### Articles in set

Contact insert - HC-B16-I-PT-F - 1407731



HEAVYCON socket insert, B16 series, 16 + PE-pos., push-in connection

Contact insert - HC-B16-I-PT-M - 1407732



HEAVYCON pin insert, B16 series, 16 + PE-pos., push-in connection

Housing - HC-STA-B16-BWD-ELC-AL - 1411327



HEAVYCON B16 panel mounting base, with double locking latch, with flat gasket, salt-water-resistant aluminum, conductive profile gasket

Housing - HC-STA-B16-HLFD-1STM25-EL-AL - 1412717



Sleeve housing B16, for double locking latch, material: Die-cast aluminum, salt water resistant, cable outlets: 1, lateral, height: 60 mm, cable gland: none, support sleeve: no, 1x M25, Standard

Cable gland - G-INS-M25-M68N-NNES-S - 1411165



Cable gland, cable gland material: Nickel-plated brass, external cable diameter 11 mm ... 17 mm, shielding: no, connecting thread: M25 x 1.5, color: silver, with O-ring

### Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440101 |
| eCl@ss 4.0    | 27260700 |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.1 | 27260700 |
| eCl@ss 5.0 | 27260700 |
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27260700 |
| eCl@ss 7.0 | 27440101 |
| eCl@ss 8.0 | 27440101 |
| eCl@ss 9.0 | 27440101 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002636 |
| ETIM 6.0 | EC002636 |
| ETIM 7.0 | EC002636 |

#### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121409 |
| UNSPSC 18.0 | 39121409 |
| UNSPSC 19.0 | 39121409 |
| UNSPSC 20.0 | 39121409 |
| UNSPSC 21.0 | 39121409 |

### Approvals

#### Approvals

#### Approvals

EAC / DNV GL / EAC

#### Ex Approvals

#### Approval details

|     |                                                                                     |                          |
|-----|-------------------------------------------------------------------------------------|--------------------------|
| EAC |  | RU C-<br>DE.AI30.B.01102 |
|-----|-------------------------------------------------------------------------------------|--------------------------|

|        |                                                                                     |                                                                                   |            |
|--------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|
| DNV GL |  | <a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a> | TAE000037S |
|--------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|

## Connector set - HC-STA-B16PT-BWD-LS-M25-ELCAL - 1416357

### Approvals

EAC



RU C-  
DE.BL08.B.00511

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