

## Connector set - HC-EVO-B16PT-BWD-HH-M25-PLRBK - 1407712

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EVO connector set consisting of: 1407731, 1407732, 1407648, 1407643, 1407670

### Your advantages

- ✓ Lower costs than metal version
- ✓ Labeling option using 9 x 20 mm marking label
- ✓ Low weight
- ✓ Lower risk of condensation
- ✓ Both contact insert PE sheets are connected by means of a metal frame integrated in the sleeve housing
- ✓ Metal inlays ensure leading PE contact with angled plugs
- ✓ Completely corrosion-resistant
- ✓ Halogen-free plastic
- ✓ Marking label can be attached



### Key Commercial Data

|                                      |                                                                                      |
|--------------------------------------|--------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                 |
| GTIN                                 |  |
| GTIN                                 | 4046356777773                                                                        |
| Weight per Piece (excluding packing) | 0.439 kg                                                                             |
| Custom tariff number                 | 85366990                                                                             |
| Country of origin                    | China                                                                                |

### Technical data

#### General

|                     |                    |
|---------------------|--------------------|
| Number of positions | 16+PE              |
| Type                | B16                |
| Connection method   | Push-in connection |
| Cable outlet        | straight           |
|                     | lateral            |

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### Technical data

#### General

|                                  |                                                             |
|----------------------------------|-------------------------------------------------------------|
| Degree of protection for housing | IP66                                                        |
|                                  | 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 (with ferrule)                                    |
| External cable diameter          | 9 mm ... 17 mm                                              |
| Ambient temperature (operation)  | -40 °C ... 100 °C                                           |
| Length of the assembly cutout    | 86 mm                                                       |
| Width of the assembly cutout     | 35 mm                                                       |
| Housing material                 | PA                                                          |
| Contact carrier material         | PA                                                          |
| Locking latch material           | PA                                                          |
| Integrated protective cover      | no                                                          |

#### Standards and Regulations

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

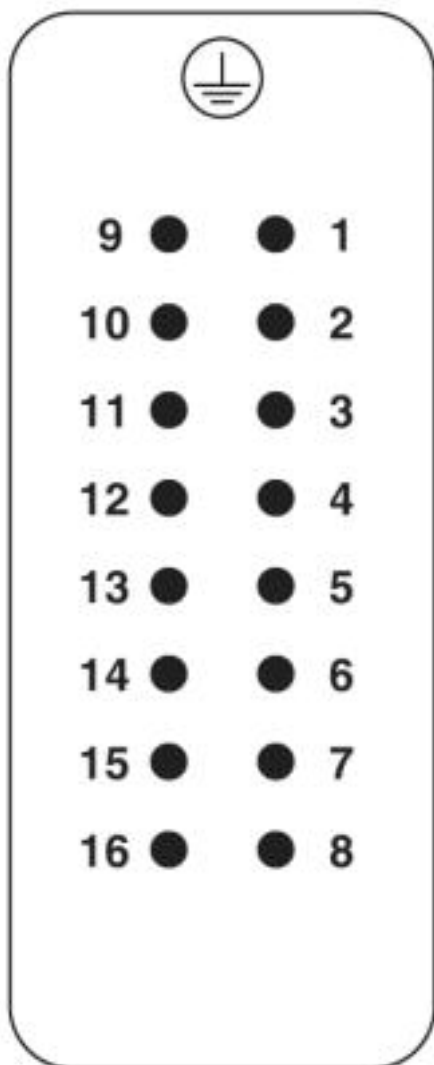
#### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

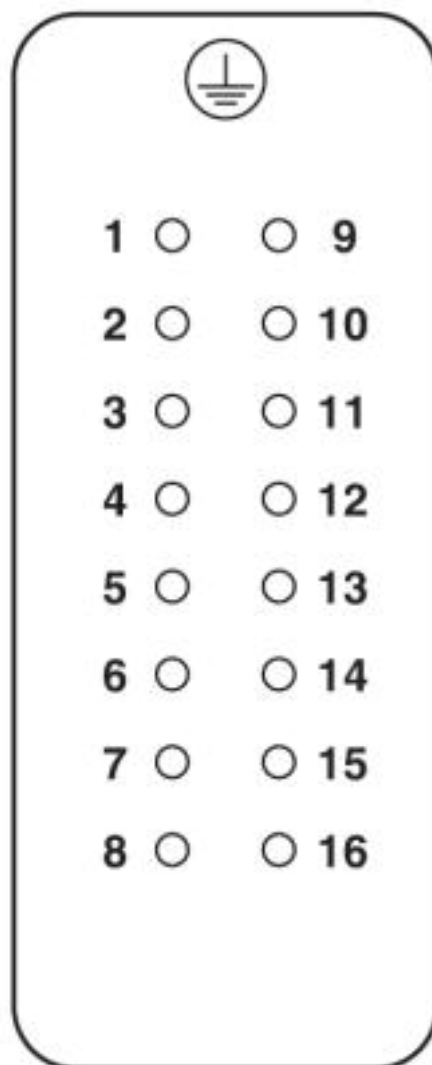
## Connector set - HC-EVO-B16PT-BWD-HH-M25-PLRBK - 1407712

Schematic diagram



Pin assignment, connection side, pin

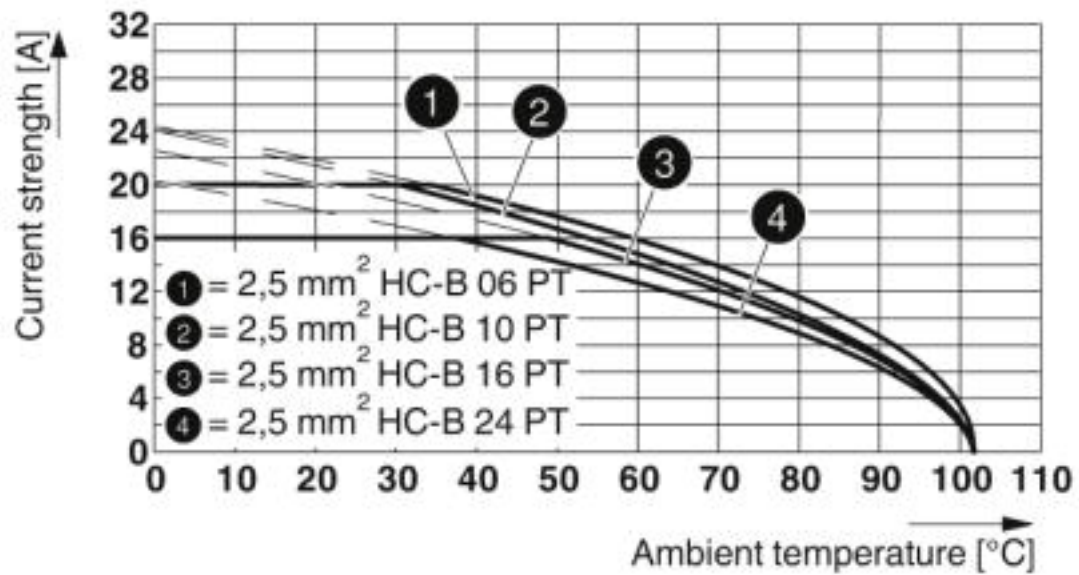
Schematic diagram



Pin assignment, connection side, socket

## Connector set - HC-EVO-B16PT-BWD-HH-M25-PLRBK - 1407712

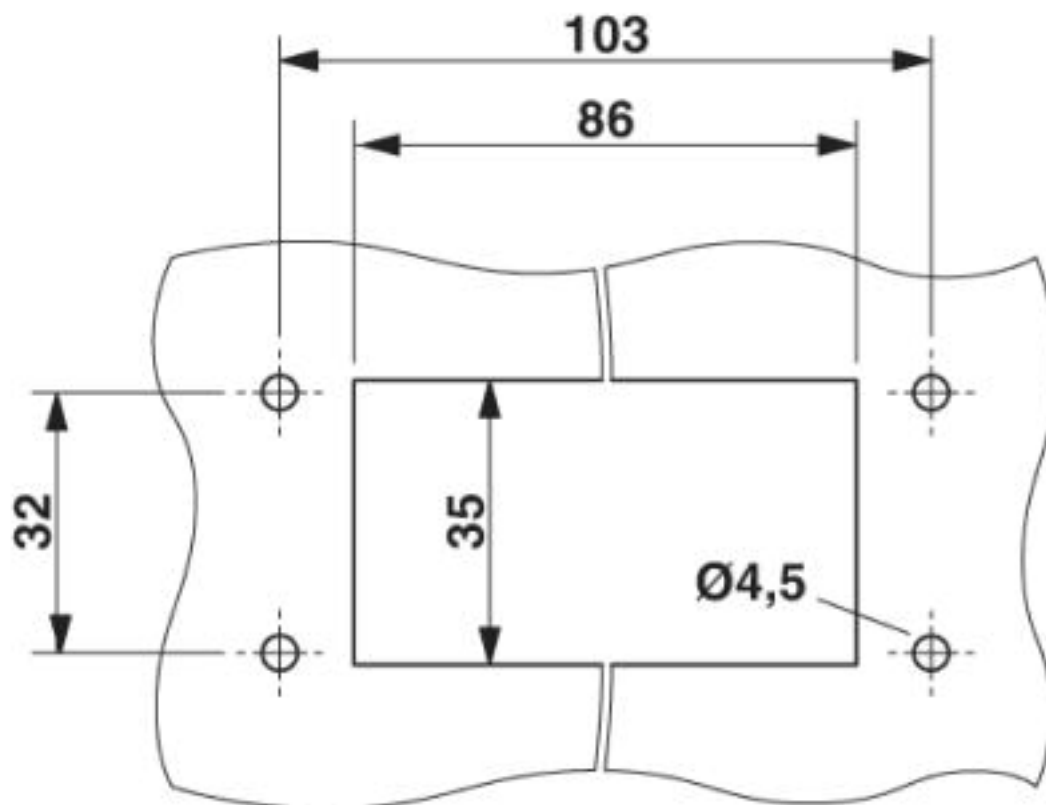
Diagram



Derating diagram

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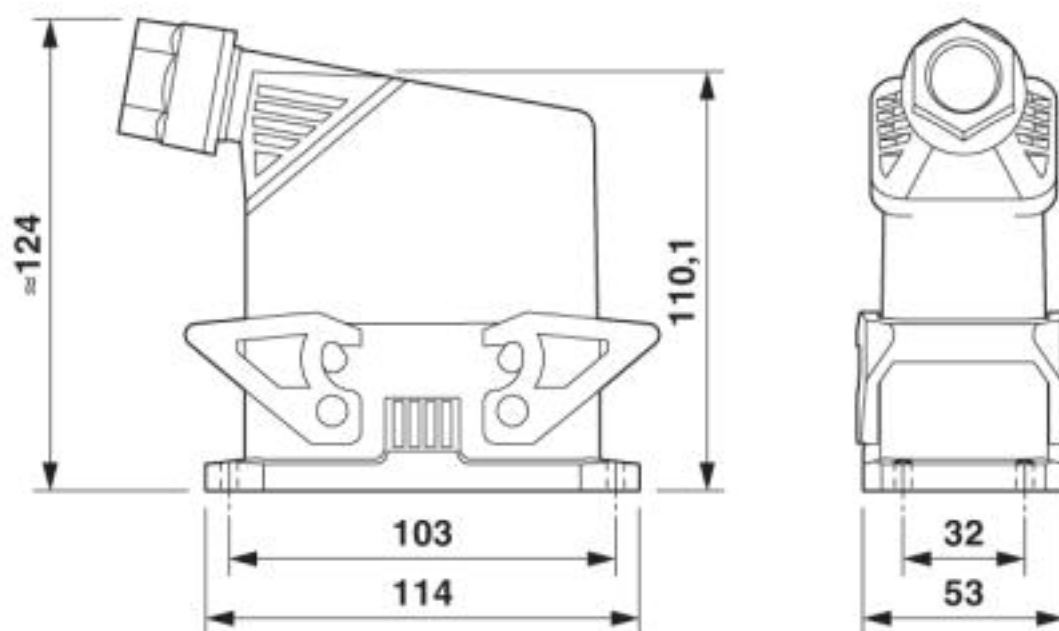
Dimensional drawing



Mounting cutout

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Dimensional drawing



Dimensional drawing

### 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-EVO-B16-BWD-PLRBK - 1407648



HEAVYCON EVO panel mounting base, plastic, B16, with double locking latch, height: 30.5 mm, with flat gasket

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### Articles in set

Housing - HC-EVO-B16-HHFD-PLBK - 1407643



HEAVYCON EVO sleeve housing, plastic, with bayonet flange for EVO screw connection, B16, for double locking latch, height: 78 mm, without EVO screw connection

Cable gland - HC-B-G-M25-PLRBK - 1407670



EVO plastic cable gland with bayonet locking, for housing series B, size M25, cable diameter: 9 ... 17 mm

### Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27260700 |
| 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 3.0 | EC000438 |
| ETIM 4.0 | EC000437 |
| ETIM 5.0 | EC000437 |
| ETIM 6.0 | EC002636 |
| ETIM 7.0 | EC002636 |

UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211923 |
| UNSPSC 7.0901 | 39121522 |
| UNSPSC 11     | 39121522 |
| UNSPSC 12.01  | 39121522 |
| UNSPSC 13.2   | 39121409 |

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### Approvals

#### Approvals

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##### Approvals

EAC / EAC / DNV GL

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##### Ex Approvals

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#### Approval details

|        |                                                                                     |                                                                                   |            |
|--------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|
| EAC    |    | RU C-<br>DE.AI30.B.01102                                                          |            |
| EAC    |   | EAC-Zulassung                                                                     |            |
| DNV GL |  | <a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a> | TAE000037S |

### Accessories

#### Accessories

##### Device marking

##### Snap-in markers - US-EMP (20X9) - 0829439



Snap-in markers, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped into marker carrier, lettering field size: 20 x 9 mm

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#### Housing latches

##### Double locking latch - HC-B10-24-DL-PLBK - 1407696



Replacement double locking latch for HEAVYCON EVO housing, HC-B10/HC-B16/HC-B24, PA



