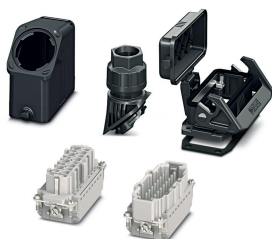


# Connector set - HC-EVO-B16PT-BWSC-HH-M25-PLRBK - 1408793

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EVO connector set, B16 series, plastic housing, consisting of sleeve housing, panel mounting base, push-in contact inserts: 1407731, 1407732, 1407647, 1407642, 1407670

## Your advantages

- ✓ Lower costs than metal version
- ✓ Labeling option using 9 x 20 mm marking label
- ✓ Low weight
- ✓ Lower risk of condensation



## Key Commercial Data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 pc      |
| Weight per Piece (excluding packing) | 472.000 g |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Poland    |

## Technical data

### General

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Number of positions              | 16+PE                               |
| Type                             | B16                                 |
| Connection method                | Push-in connection                  |
| Cable outlet                     | straight                            |
|                                  | lateral                             |
| Degree of protection for housing | IP66                                |
|                                  | 12 (UL 50e)                         |
| Connection technology            | Push-in connection                  |
| Rated voltage (III/3)            | 500 V                               |
| Rated surge voltage              | 6 kV                                |
| Rated current                    | 16 A                                |
| Conductor cross section          | 0.14 mm² ... 2.5 mm² (with ferrule) |

# Connector set - HC-EVO-B16PT-BWSC-HH-M25-PLRBK - 1408793

## Technical data

### General

|                                 |                          |
|---------------------------------|--------------------------|
| 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     | Yes                      |

### Standards and Regulations

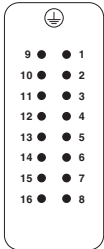
|                                        |    |
|----------------------------------------|----|
| Flammability rating according to UL 94 | V0 |
|----------------------------------------|----|

### Environmental Product Compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

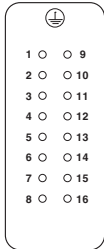
## Drawings

Schematic diagram



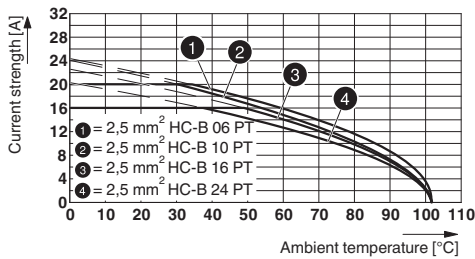
Pin assignment, connection side, pin

Schematic diagram



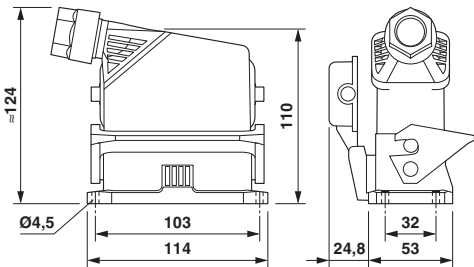
Pin assignment, connection side, socket

Diagram



Derating diagram

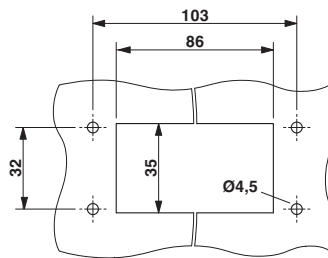
Dimensional drawing



Dimensional drawing

## Connector set - HC-EVO-B16PT-BWSC-HH-M25-PLRBK - 1408793

Dimensional drawing



Mounting cutout

### 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-BWSC-PLRBK - 1407647



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

Housing - HC-EVO-B16-HHFS-PLBK - 1407642



Sleeve housing B16, for single locking latch, material: PA, cable outlets: 1, straight/lateral, height: 78 mm, cable gland: none, support sleeve: no, Standard

# Connector set - HC-EVO-B16PT-BWSC-HH-M25-PLRBK - 1408793

## Articles in set

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 10.0.1 | 27440101 |
| eCl@ss 11.0   | 27440101 |
| 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 9.0    | 27440101 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000438 |
| ETIM 4.0 | 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 |
| UNSPSC 18.0   | 39121409 |
| UNSPSC 19.0   | 39121409 |
| UNSPSC 20.0   | 39121409 |
| UNSPSC 21.0   | 39121409 |

## Approvals

### Approvals

# Connector set - HC-EVO-B16PT-BWSC-HH-M25-PLRBK - 1408793

## Approvals

Approvals

EAC / DNV GL

Ex Approvals

## Approval details

|        |                                                                                   |                          |
|--------|-----------------------------------------------------------------------------------|--------------------------|
| EAC    |  | RU C-<br>DE.BL08.B.00511 |
| DNV GL |  | 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, Number of individual labels: 70

## Housing latches

Single locking latch - HC-B10-SL-PLBK - 1407698



Replacement single locking latch for HEAVYCON EVO housing type B10, PA