

## Connector set - HC-EVO-B24PT-BWSC-HH-M32ELC-AL - 1411493

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EVO connector set, B24 series, metal housing, consisting of sleeve housing 1411473, panel mounting base 1411330, EVO screw connection 1411440, pin contact insert 1407736, socket contact insert 1407735



### Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                 |
| GTIN         |  |
| GTIN         | 4046356932936                                                                        |

### Technical data

#### General

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Number of positions              | 24+PE                               |
| Type                             | B24                                 |
| Connection method                | Push-in connection                  |
| Cable outlet                     | straight                            |
|                                  | lateral                             |
| 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 mm² ... 2.5 mm² (with ferrule) |
| Connection cross section AWG     | 26 ... 14                           |
| External cable diameter          | 14 mm ... 21 mm                     |

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### Technical data

#### General

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Ambient temperature (operation) | -40 °C ... 100 °C                      |
| Length of the assembly cutout   | 113 mm                                 |
| Width of the assembly cutout    | 35 mm                                  |
| Housing material                | Die-cast aluminum, corrosion resistant |
| Contact carrier material        | PA                                     |
| Locking latch material          | PA                                     |
| Integrated protective cover     | Yes                                    |

#### Standards and Regulations

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

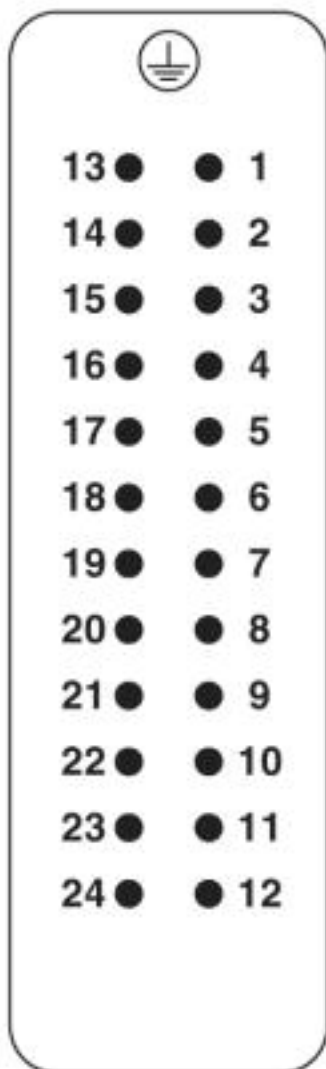
#### Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

### Drawings

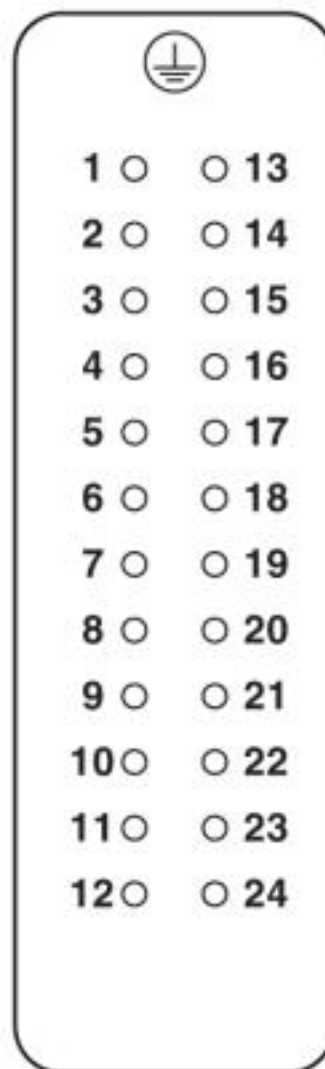
## Connector set - HC-EVO-B24PT-BWSC-HH-M32ELC-AL - 1411493

Schematic diagram



Pin assignment, connection side, pin

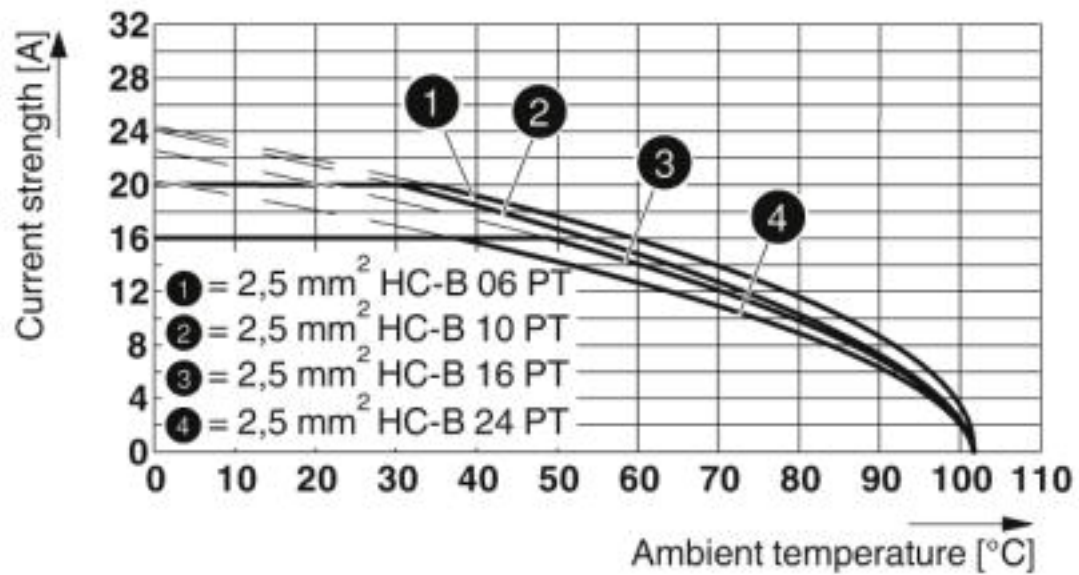
Schematic diagram



Pin assignment, connection side, socket

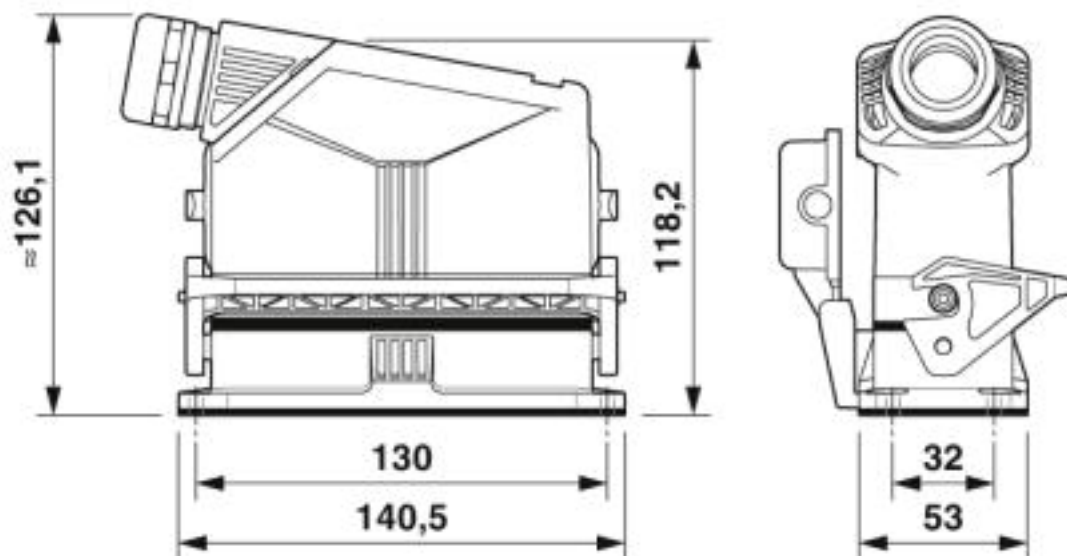
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Diagram



Derating diagram

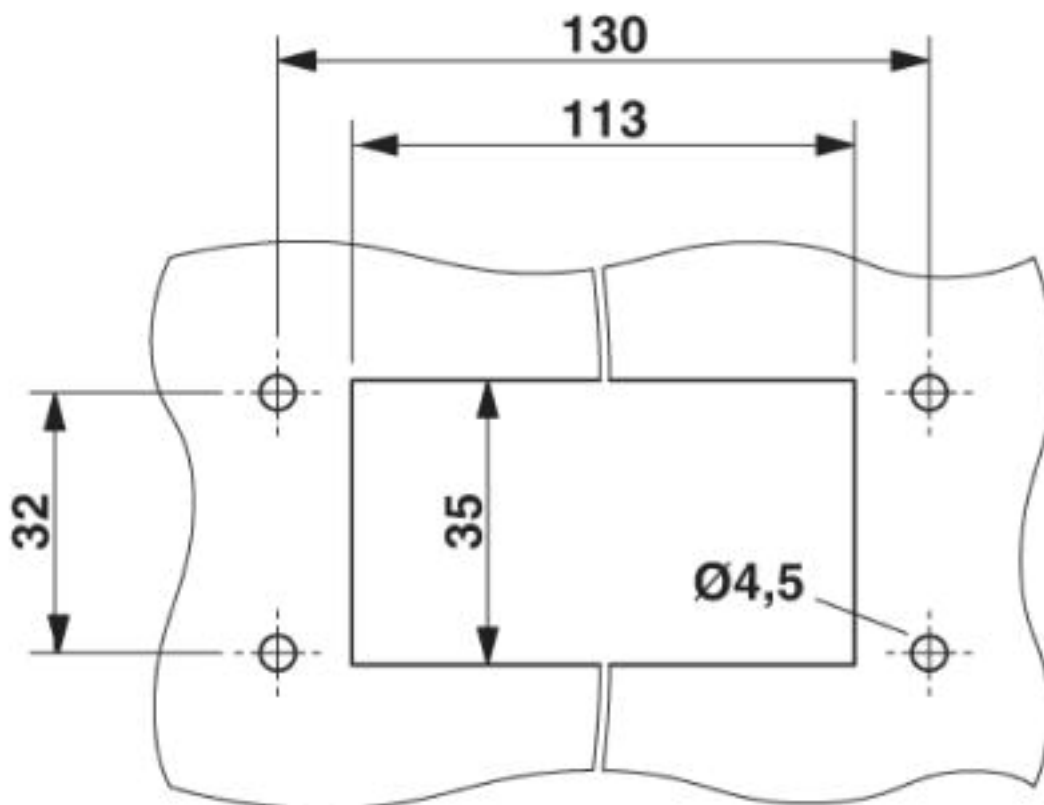
Dimensional drawing



Dimensional drawing

## Connector set - HC-EVO-B24PT-BWSC-HH-M32ELC-AL - 1411493

Dimensional drawing



Mounting cutout

### Articles in set

Contact insert - HC-B24-I-PT-F - 1407735



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 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, application: Power

Contact insert - HC-B24-I-PT-M - 1407736



HEAVYCON pin insert, B24 series, 24 + PE-pos., push-in connection

## Connector set - HC-EVO-B24PT-BWSC-HH-M32ELC-AL - 1411493

### Articles in set

Cable gland - HC-B-G-M32-EC-AL - 1411440



EVO EMC cable gland with bayonet locking, B series, size M32, cable diameter: 14 - 21 mm

Housing - HC-STA-B24-BWSC-ELC-AL - 1411330



HEAVYCON B24 panel mounting base, with single locking latch, with plastic protective cover, with flat gasket, salt-water-resistant aluminum, conductive profile gasket.

Housing - HC-EVO-B24-HHFS-EL-AL - 1411473



HEAVYCON EVO sleeve housing, EMC version, without powder coating, with bayonet flange for EVO screw connection, B24, for single locking latch, height: 88 mm, without EVO screw connection.

### Classifications

#### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 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 8.0    | 27440101 |
| eCl@ss 9.0    | 27440101 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002641 |
| ETIM 5.0 | EC002636 |
| ETIM 6.0 | EC002636 |
| ETIM 7.0 | EC002636 |

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### Classifications

#### 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 / 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 |
|--------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|

|     |                                                                                     |               |
|-----|-------------------------------------------------------------------------------------|---------------|
| EAC |  | EAC-Zulassung |
|-----|-------------------------------------------------------------------------------------|---------------|

|     |                                                                                     |                          |
|-----|-------------------------------------------------------------------------------------|--------------------------|
| EAC |  | RU C-<br>DE.BL08.B.00511 |
|-----|-------------------------------------------------------------------------------------|--------------------------|

### Accessories

#### Accessories

#### Device marking

## Connector set - HC-EVO-B24PT-BWSC-HH-M32ELC-AL - 1411493

### Accessories

Plastic label - US-EMLP-HA (20X9) - 0830989



Plastic label, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: adhesive, lettering field size: 20 x 9 mm, Number of individual labels: 70

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### Housing latches

Single locking latch - HC-B24-SL-PLBK - 1407701



Replacement single locking latch for HEAVYCON EVO housing type B24, PA

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