PHŒNIX CONTACT

Connector set - HC-EVO-B16PT-BWD-HH-M25ELC-AL - 1411489

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EVO connector set, B16 series, metal housing, consisting of: sleeve housing 1411460, panel mounting base 1411327, EVO screw connection 1411446, pin contact insert 1407732, socket contact insert 1407731

RoHS

COMPLETE line

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356932899
Weight per Piece (excluding packing)	640.000 g
Custom tariff number	85366990
Country of origin	Germany

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
	IP67
	4 (UL 50e)
	4X (UL 50e)
	12 (UL 50e)
Connection method	Push-in connection

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Technical data

General

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	11 mm ... 16 mm
Ambient temperature (operation)	-40 °C ... 100 °C
Length of the assembly cutout	86 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	no

Standards and Regulations
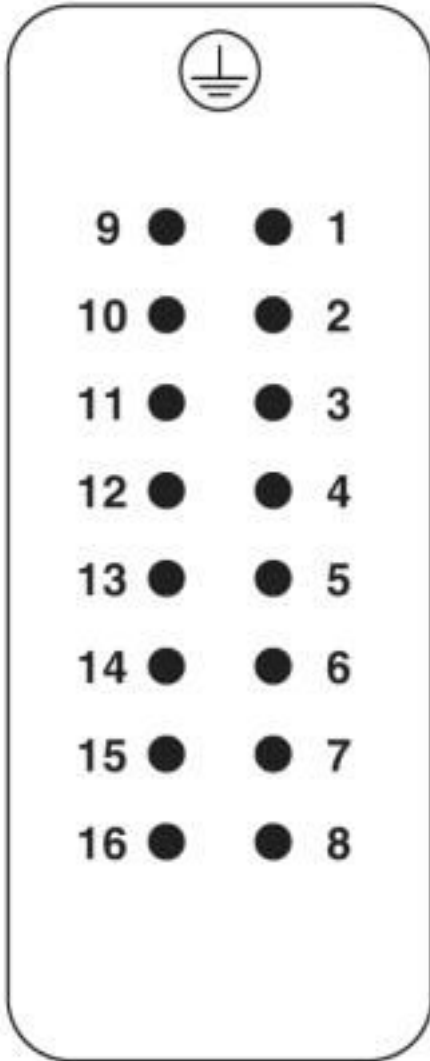
Flammability rating according to UL 94	V0

Environmental Product Compliance
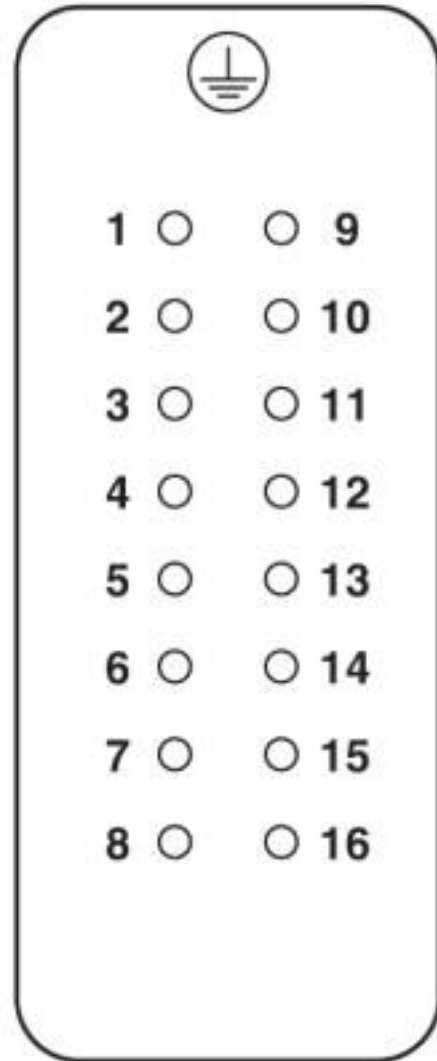
REACh SVHC	Lead 7439-92-1

Drawings

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Schematic diagram

Schematic diagram

9 ● ● 1
10 ● ● 2
11 ● ● 3
12 ● ● 4
13 ● ● 5
14 ● ● 6
15 ● ● 7
16 ● ● 8

1 ○ ○ 9
2 ○ ○ 10
3 ○ ○ 11
4 ○ ○ 12
5 ○ ○ 13
6 ○ ○ 14
7 ○ ○ 15
8 ○ ○ 16

Pin assignment, connection side, pin
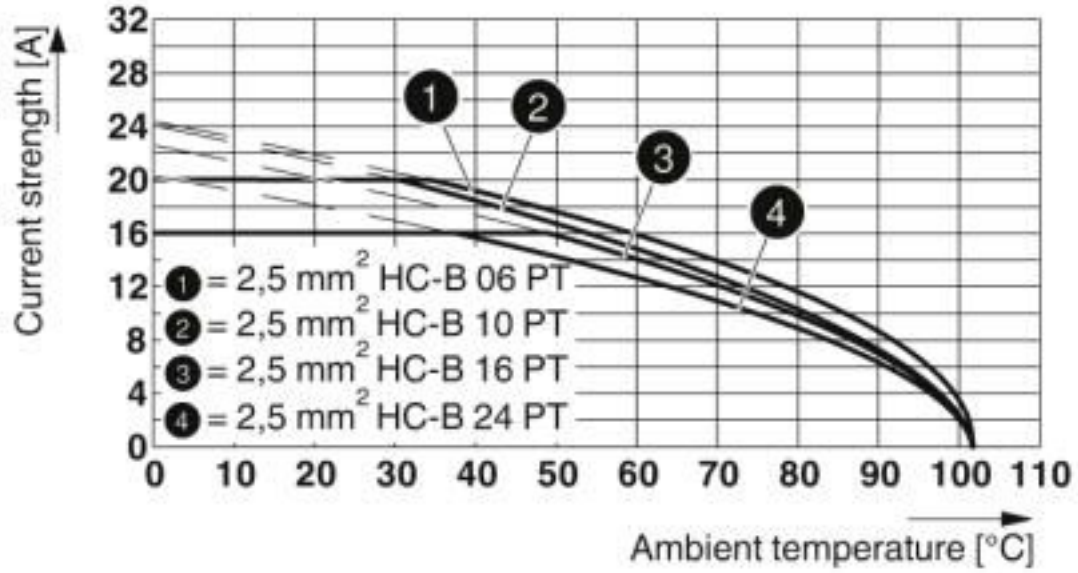
Pin assignment, connection side, socket
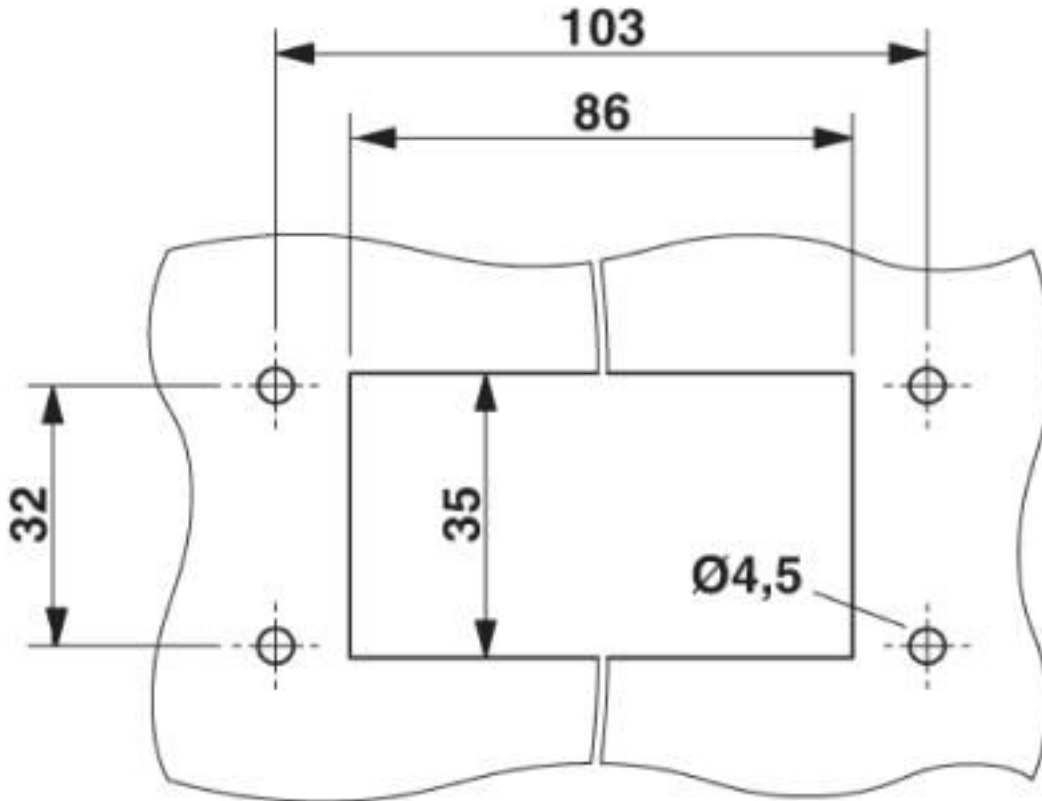
Connector set - HC-EVO-B16PT-BWD-HH-M25ELC-AL - 1411489

Diagram

Derating diagram

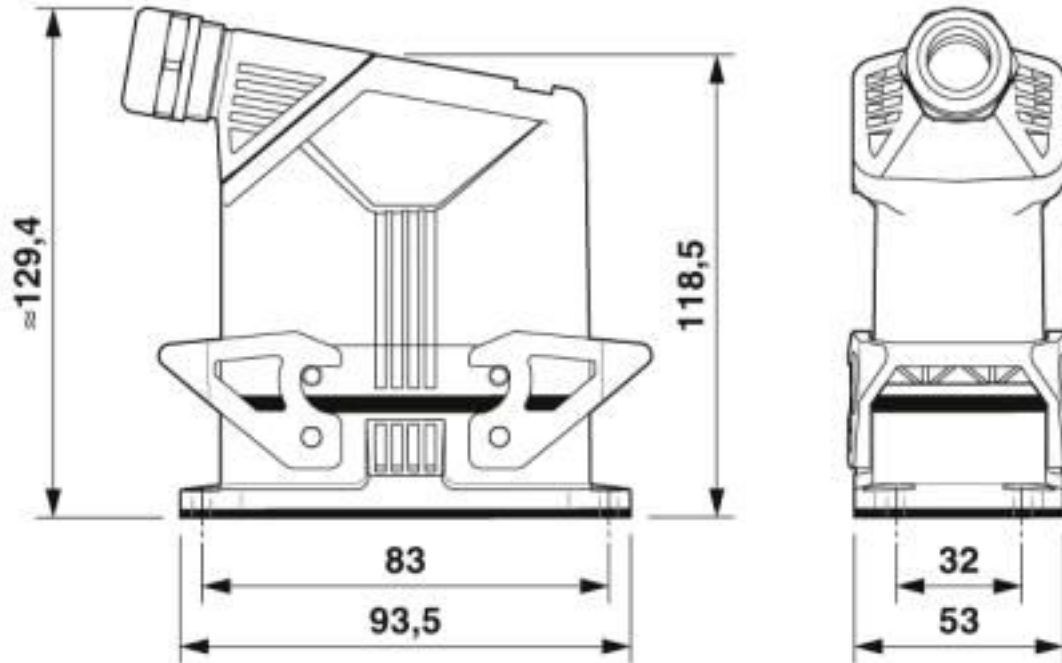# Connector set - HC-EVO-B16PT-BWD-HH-M25ELC-AL - 1411489

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

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Articles in set

Cable gland - HC-B-G-M25-EC-AL - 1411446

EVO EMC cable gland with bayonet locking, B series, size M25, cable diameter: 11 - 16 mm

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-EVO-B16-HHFD-EL-AL - 1411460

HEAVYCON EVO sleeve housing, EMC version, without powder coating, with bayonet flange for EVO screw connection, B16, for double 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

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Classifications

ETIM

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	EAC		RU C-DE.AI30.B.01102

DNV GL	DNV·GL MARITIME	https://approvalfinder.dnvgl.com/	TAE000037S

EAC	EAC		RU C-DE.BL08.B.00511

Accessories

Accessories

Device marking

Connector set - HC-EVO-B16PT-BWD-HH-M25ELC-AL - 1411489

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

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