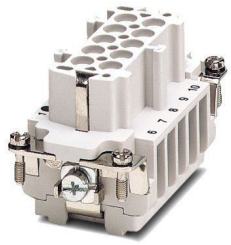
HC-B 10-EBUS - Contact insert

1771202

https://www.phoenixcontact.com/us/products/1771202

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HEAVYCON female insert, B10 series, 10-pos., screw connection

Commercial data

Item number	1771202
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	AF7ABC
GTIN	4017918035945
Weight per piece (including packing)	83.24 g
Weight per piece (excluding packing)	73.91 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

General	For housing HC-B10

Mounting

Assembly note	Connectors may be operated only when there is no load/voltage.
	For housings of type B10.

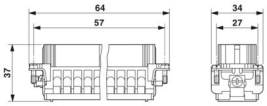
Product properties

Product type	Contact insert with a fixed no. of positions
Type	B10
Number of positions	10
Connection profile	10+PE

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	37 mm
Length	64 mm

Connection data

Connection technology

Connection technology	Screw connection
Connection in acc. with standard	IEC / EN

Conductor connection

Conductor cross section	0.5 mm² ... 2.5 mm² (applies to stranded conductors with ferrules)
	0.5 mm² ... 4 mm² (PE screw)
Connection cross section AWG	20 ... 14
	20 ... 12 (PE screw)
Tightening torque	0.5 Nm
Stripping length of the individual wire	7 mm

Electrical properties

Rated voltage (III/3)	500 V

Rated surge voltage	6 kV
Rated current	16 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500

Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA

Environmental and real-life conditions

Ambient conditions

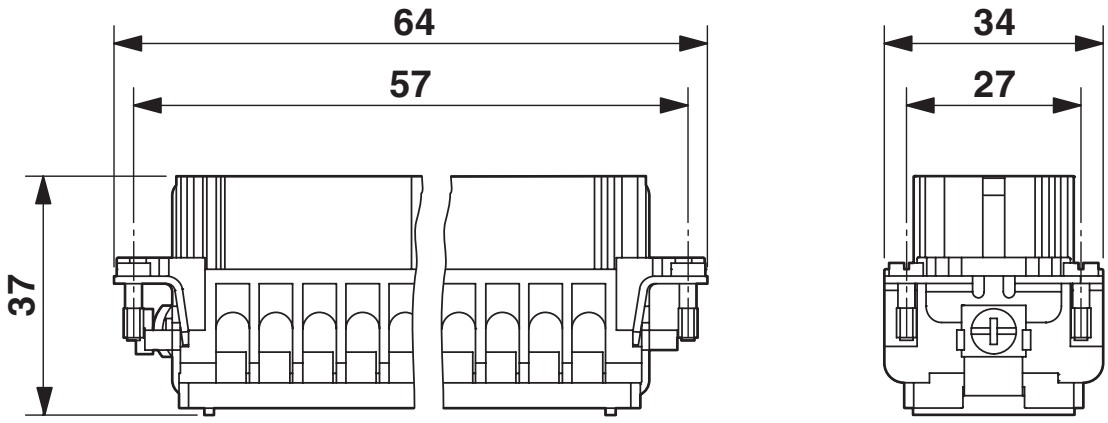
Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)

Standards and regulations

Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Tests	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352

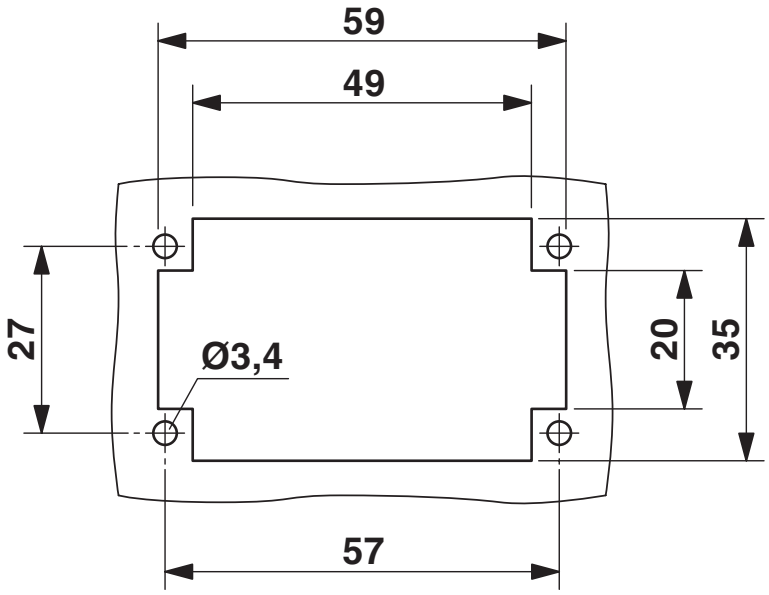
Drawings

Dimensional drawing



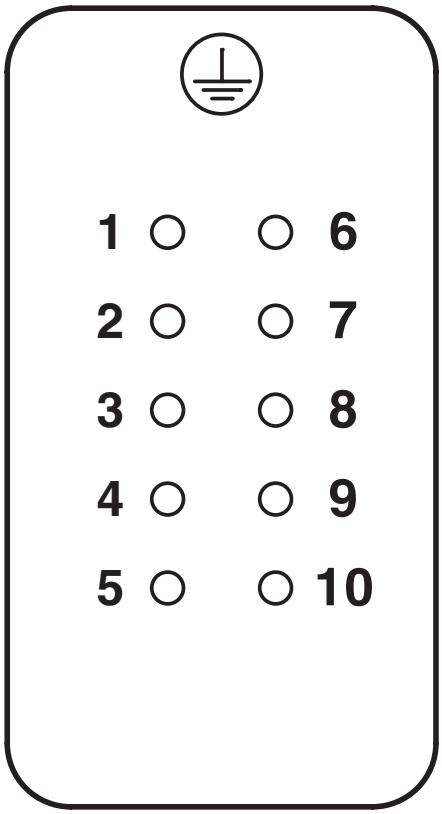
Female insert

Dimensional drawing



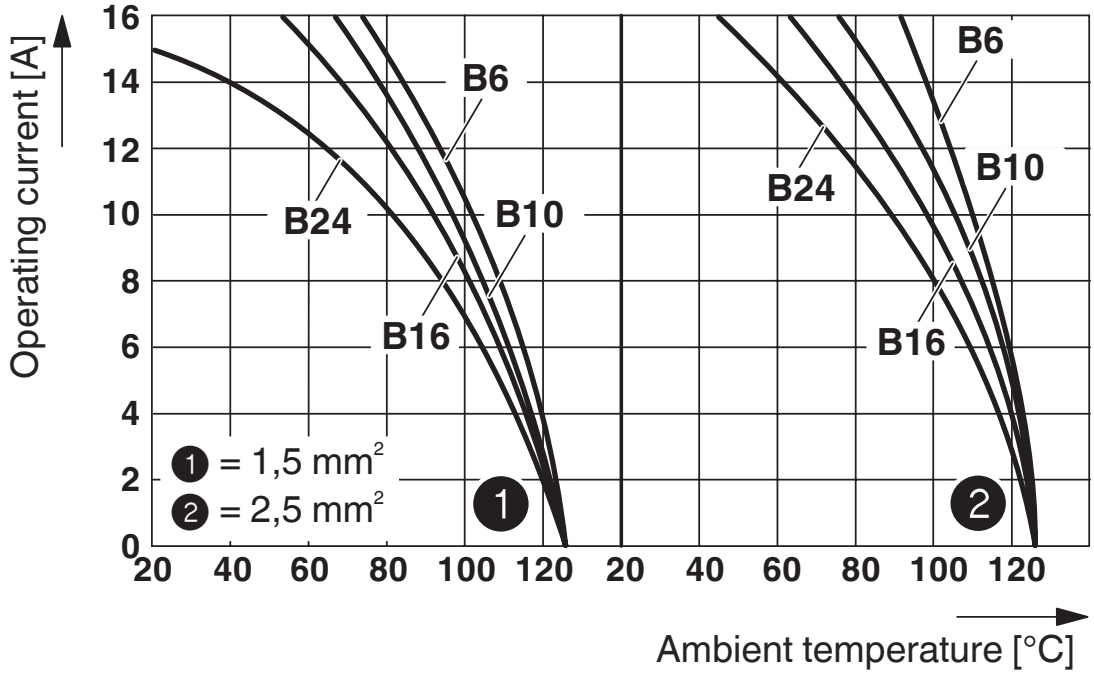
Mounting cutout

Schematic diagram



Connector pin assignment, connection side

Diagram



Derating diagram: Series HC-B...S / HC-B...C

Classifications

ECLASS

ECLASS-13.0	27440205

Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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