

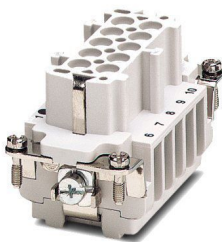
HC-B 10-EBUS - Contact insert

1771202

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



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

HC-B 10-EBUS - Contact insert

1771202

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



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.
---------------	---

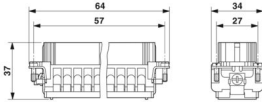
Product properties

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 mm ² ... 2.5 mm ² (applies to stranded conductors with ferrules) 0.5 mm ² ... 4 mm ² (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
-----------------------	-------

HC-B 10-EBUS - Contact insert



1771202

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

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

HC-B 10-EBUS - Contact insert

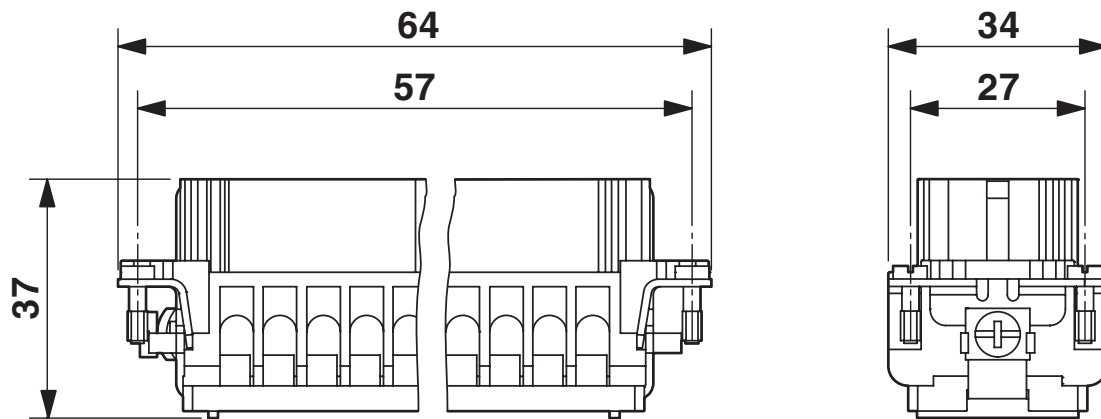
1771202

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



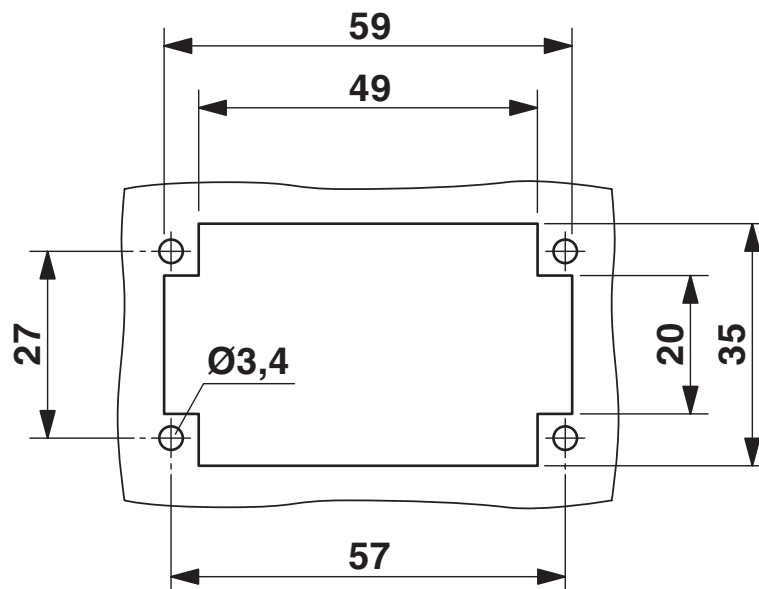
Drawings

Dimensional drawing



Female insert

Dimensional drawing



Mounting cutout

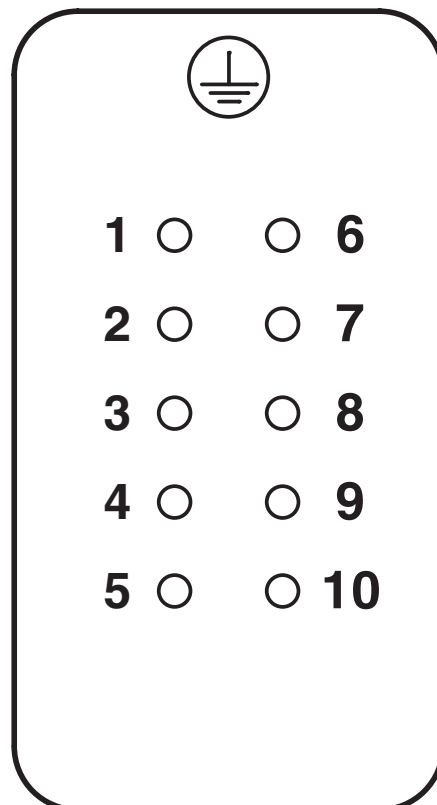
HC-B 10-EBUS - Contact insert

1771202

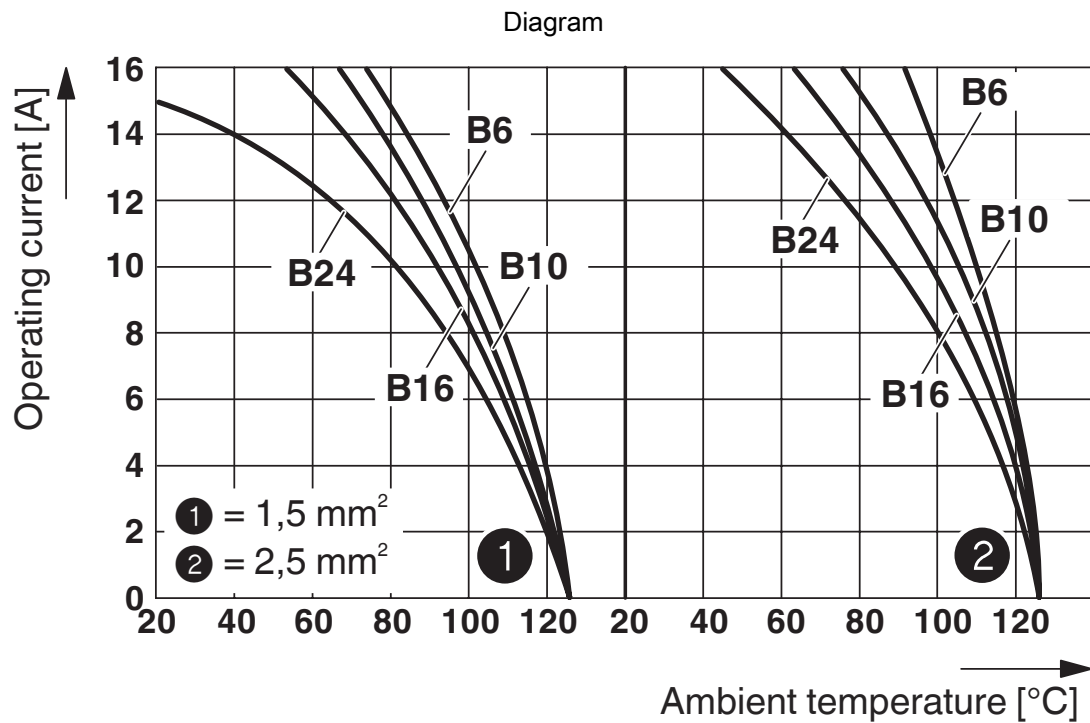
<https://www.phoenixcontact.com/us/products/1771202>



Schematic diagram



Connector pin assignment, connection side



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

HC-B 10-EBUS - Contact insert



1771202

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

Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

HC-B 10-EBUS - Contact insert



1771202

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

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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com