

HC-B 16-ESTZZ - Contact insert



1605310

<https://www.phoenixcontact.com/us/products/1605310>

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HEAVYCON male insert, B16 series, 16-pos., 2 spring-cage connections per contact



Commercial data

Item number	1605310
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	AF7ABC
GTIN	4017918924096
Weight per piece (including packing)	122.5 g
Weight per piece (excluding packing)	122.5 g
Customs tariff number	85366990
Country of origin	RO

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Technical data

Notes

General	For housing HC-B16
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Mounting

Assembly note	For housing $h \geq 72$ mm. Connectors may be operated only when there is no load/voltage.
	For housings of type B16/B32. Connectors may only be actuated when there is no load/voltage.

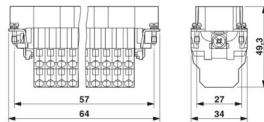
Product properties

Product type	Contact insert with a fixed no. of positions
Series	HC-B
Type	B16 B32
Number of positions	16
Connection profile	16+PE
Contact numbering	1 - 16

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	35.5 mm
Length	84.5 mm

Mechanical characteristics

Minimum housing height	72 mm
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Connection data

Connection technology

Connection technology	Spring-cage connection
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Conductor connection

Conductor cross-section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	10 mm \pm 1 mm

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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
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Material specifications

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

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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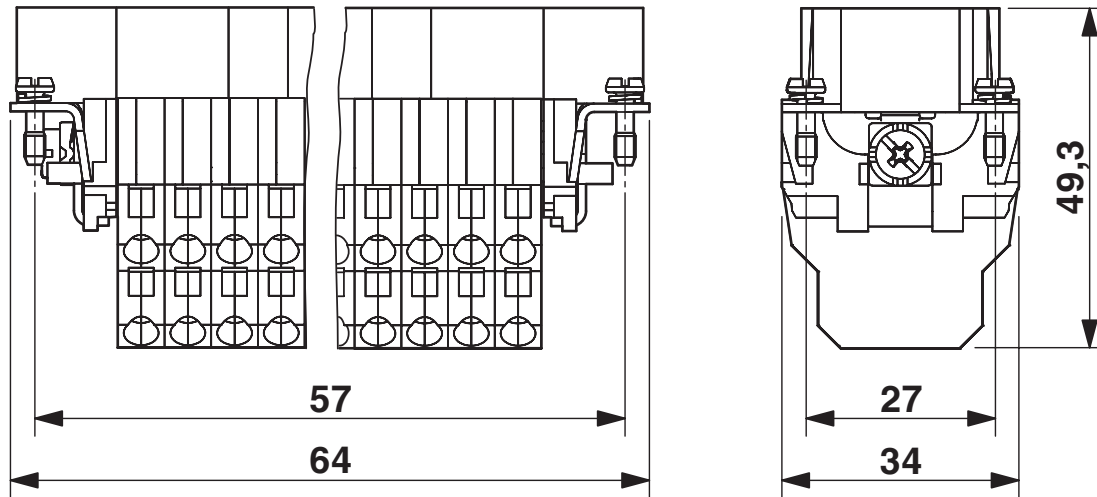
HC-B 16-ESTZZ - Contact insert

1605310

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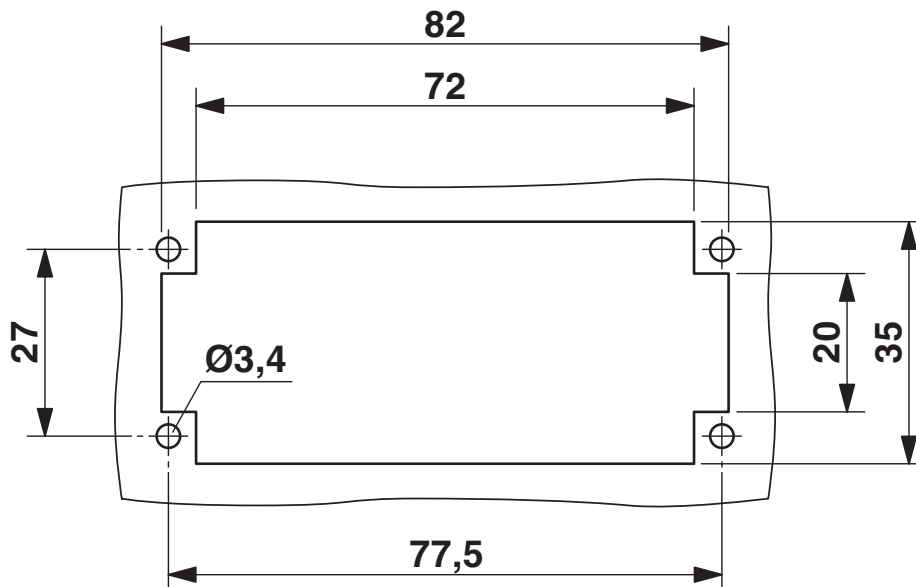
Drawings

Dimensional drawing



Male contact insert

Dimensional drawing



Mounting cutout

HC-B 16-ESTZZ - Contact insert

1605310

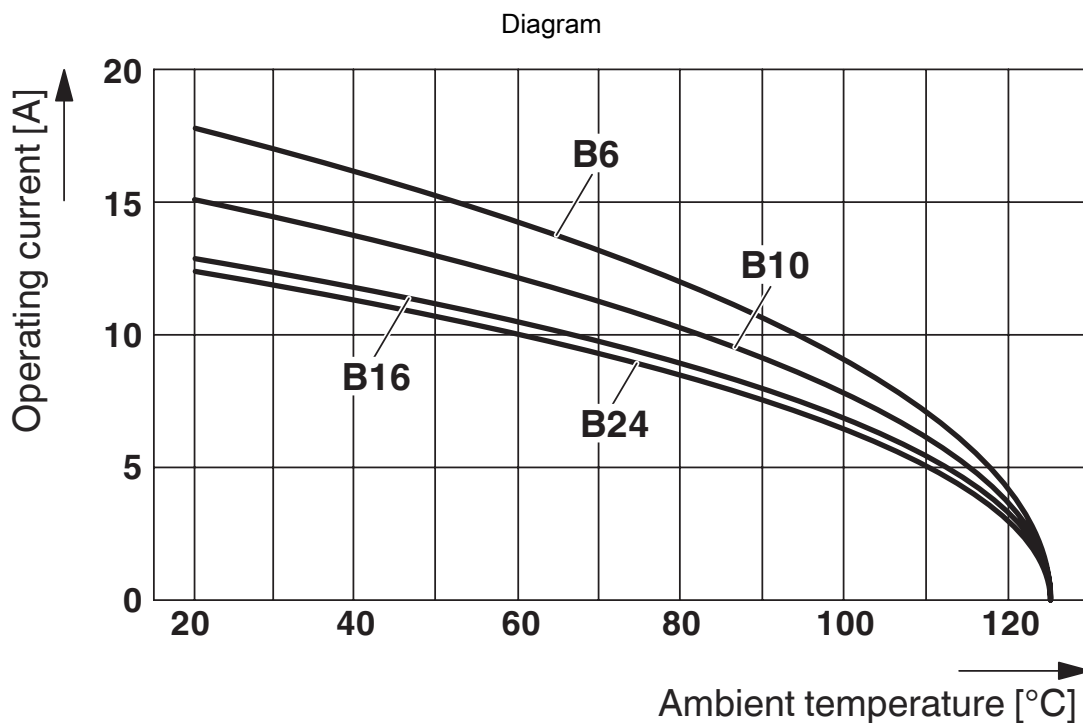
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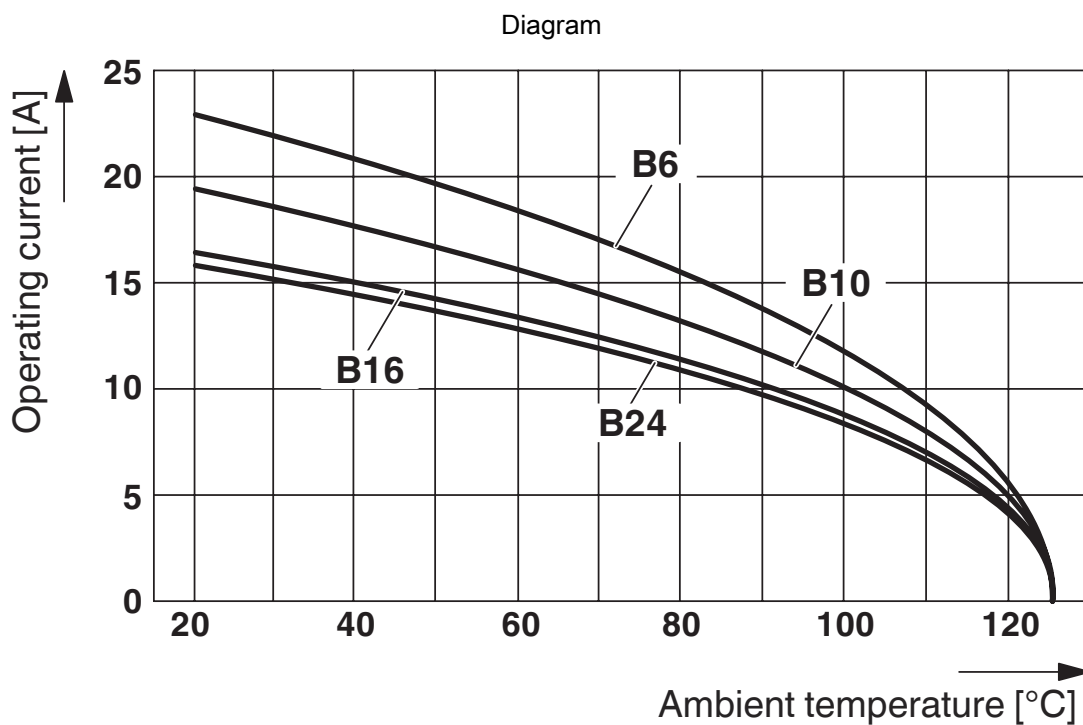
Schematic diagram



Connector pin assignment, connection side



The figure shows the derating diagram of various series B contact inserts (B6 to B24), conductor cross-section 1.5 mm²



The figure shows the derating diagram of various series B contact inserts (B6 to B24), conductor cross-section 2.5 mm²

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Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

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