

HC-B 16-ESTQ-2,5-32-OLOGO - Contact insert



1605658

<https://www.phoenixcontact.com/us/products/1605658>

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Contact insert, number of positions: 16+PE, size: B16, QUICKON connection, 500 V, 16 A, 0.34 mm² ... 2.5 mm²

Product description

Contact insert
With QUICKON connection technology, the wires are connected with just a turn of the screwdriver. The wires do not have to be stripped first. This reduces connection time by at least 60%.

Your advantages

- Shock and vibration-resistant in accordance with DIN EN 61373

Commercial data

Item number	1605658
Packing unit	10 pc
Minimum order quantity	10 pc
Product key	AF7ABC
GTIN	4017918940867
Weight per piece (including packing)	90.39 g
Weight per piece (excluding packing)	90.39 g
Country of origin	PL

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Technical data

Notes

General	Connectors may be operated only when there is no load/voltage.
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Mounting

Assembly note	To ensure correct use, installation in housing with IP54 protection or better is required
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Product properties

Product type	Contact insert with a fixed no. of positions
Type	B16
	B32
Number of positions	16
Connection profile	16+PE
Contact numbering	17 - 32

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

Connection technology

Connection technology	QUICKON connection
	QUICKON connection

Conductor connection

Conductor cross section	0.34 mm² ... 2.5 mm² (Litz wire structure VDE 0295, Class 1 - 5/litz wire diameter ≥ 0.2 mm)
Connection cross section AWG	22 ... 14
Tightening torque	0.8 Nm ... 1.2 Nm (PE connection)
	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)

Electrical properties

Rated voltage (III/3)	500 V
	500 V
Rated surge voltage	6 kV
	6 kV
Rated current	16 A
	16 A

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Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

Flammability rating according to UL 94	V0
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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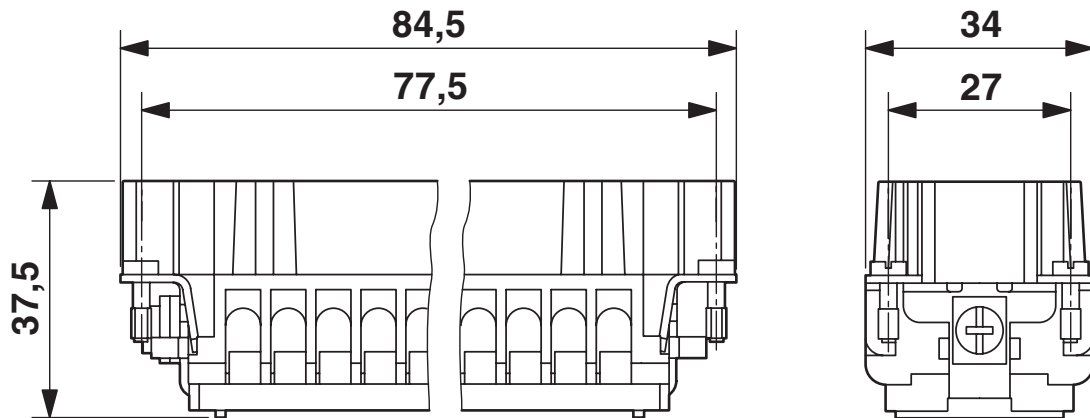
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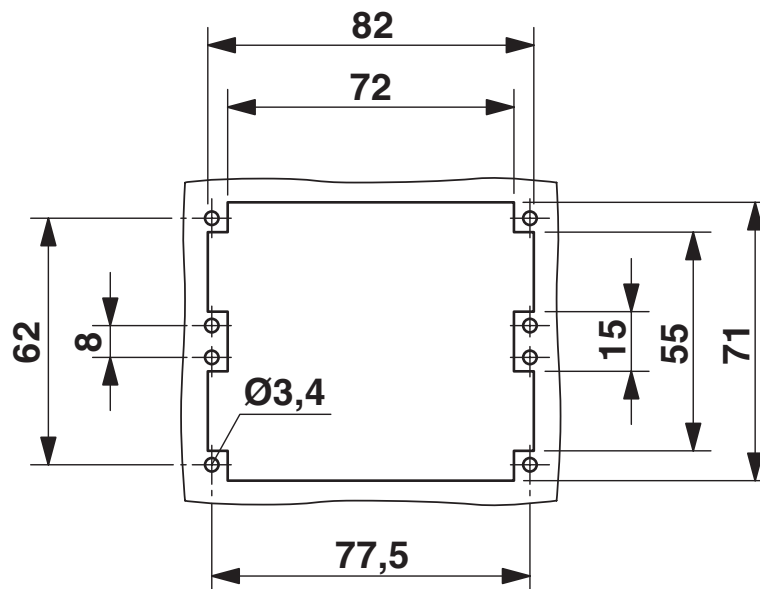
Drawings

Dimensional drawing



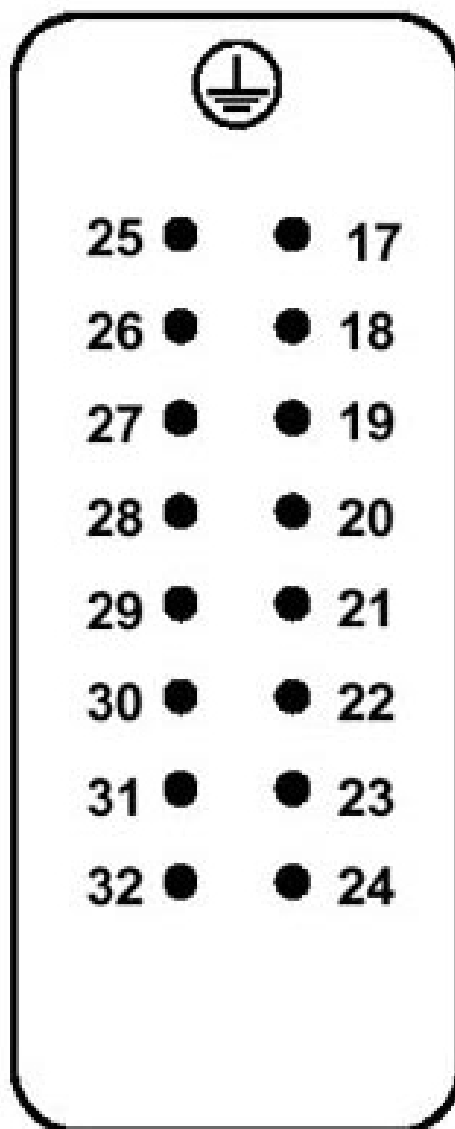
Male insert

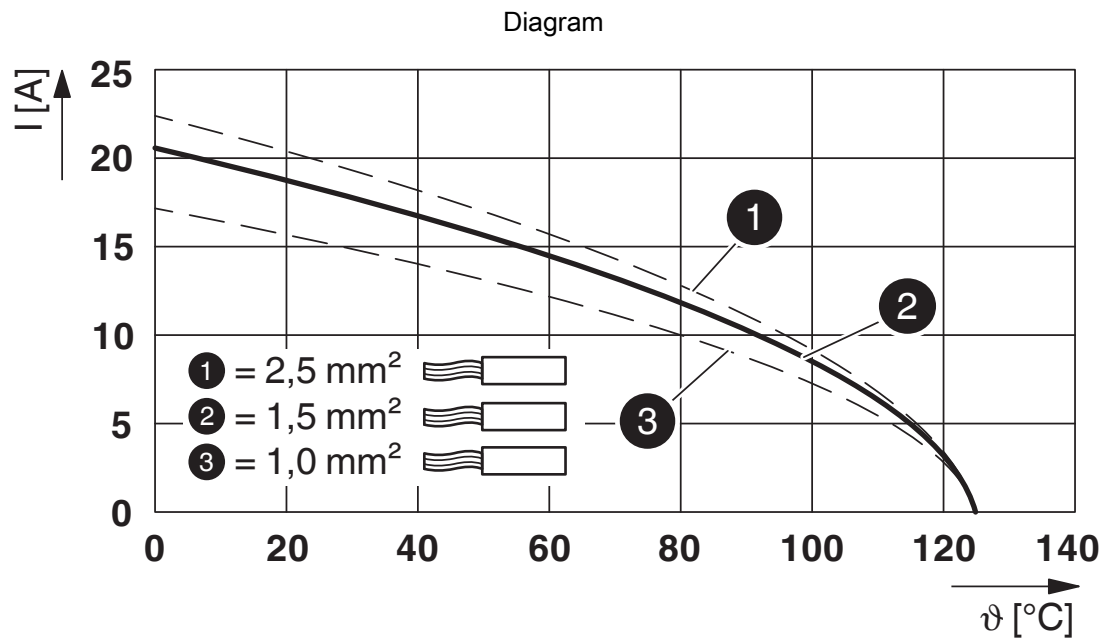
Dimensional drawing



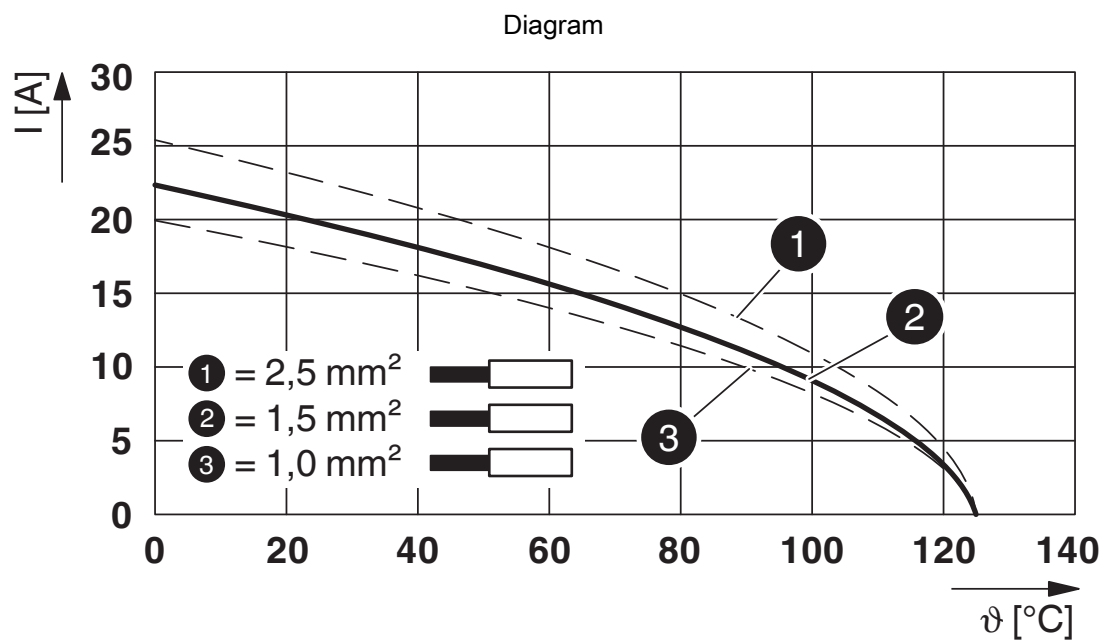
Mounting cutout when used without housing

Schematic diagram





Derating diagram for flexible conductors



Derating diagram for solid conductors

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Approvals

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EAC

Approval ID: RU C-DE.AI30.B.01102

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Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

ETIM

ETIM 9.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
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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