

# HC-B 24-EBUQ-2,5-48-OLOGO - Contact insert



1605613

<https://www.phoenixcontact.com/us/products/1605613>

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Contact insert, size: B24, QUICKON connection, 500 V, 16 A, 0.34 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>



## 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	1605613
Packing unit	10 pc
Minimum order quantity	10 pc
Product key	AF7ABC
GTIN	4017918940812
Weight per piece (including packing)	126.7 g
Weight per piece (excluding packing)	126.7 g
Country of origin	PL

## 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	B24
	B48
Number of positions	24

### 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 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Litz wire structure VDE 0295, Class 1 - 5/litz wire diameter $\geq$ 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

### Mechanical properties

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## 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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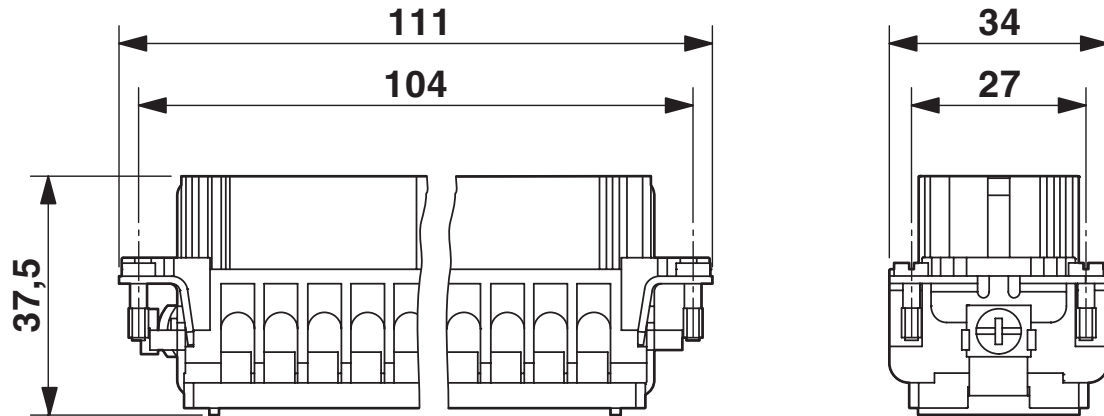


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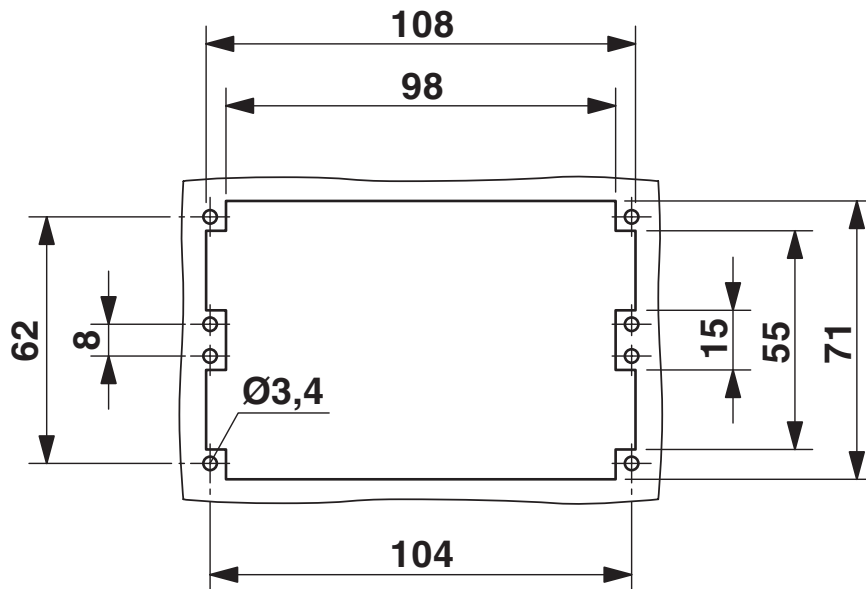
## Drawings

Dimensional drawing



## Female insert

Dimensional drawing

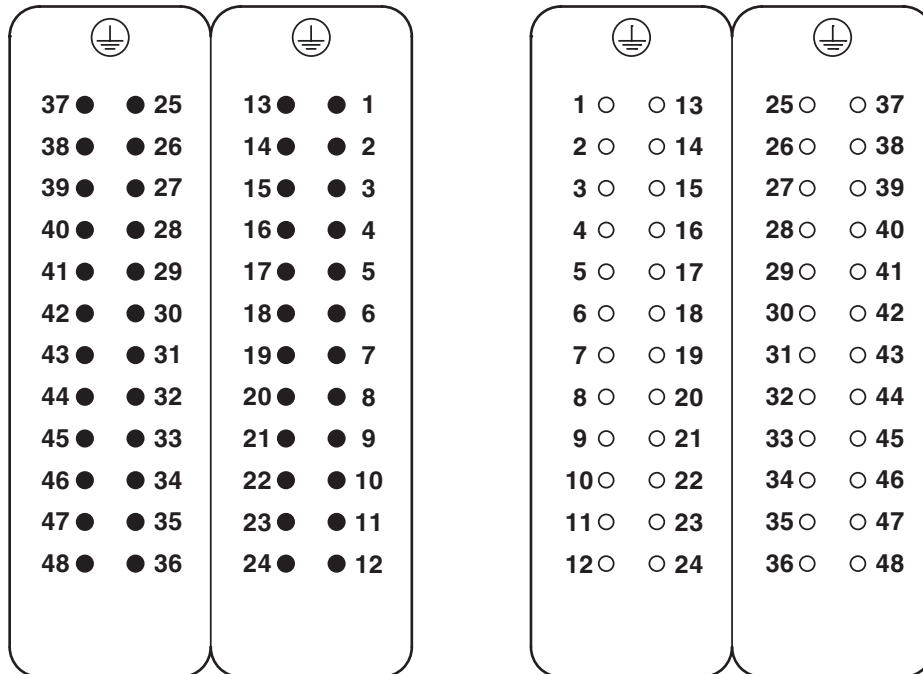


Mounting cutout when used without housing

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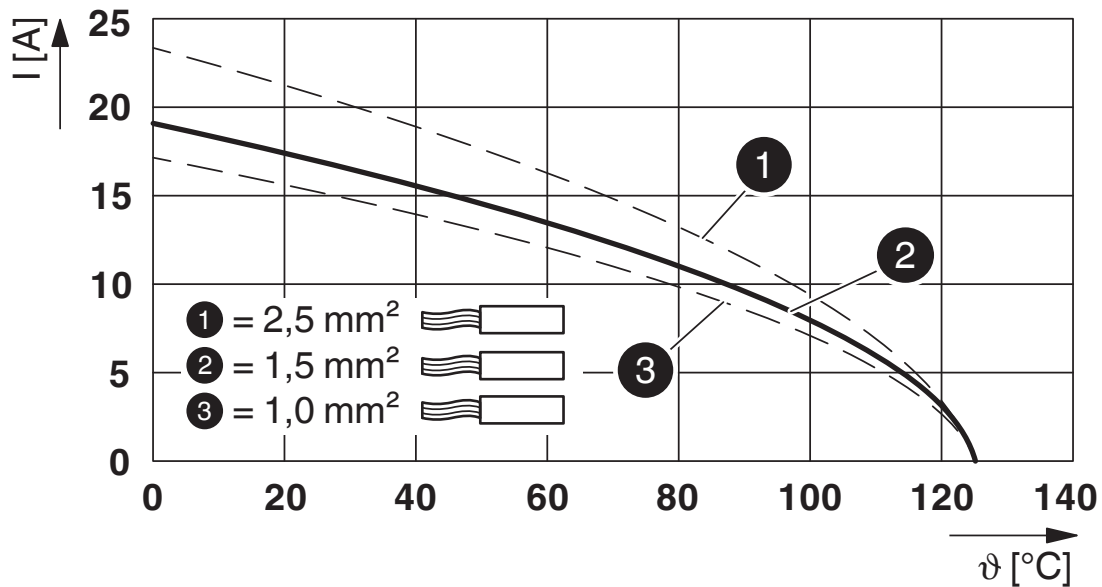
<https://www.phoenixcontact.com/us/products/1605613>

Schematic diagram



Connector pin assignment, connection side

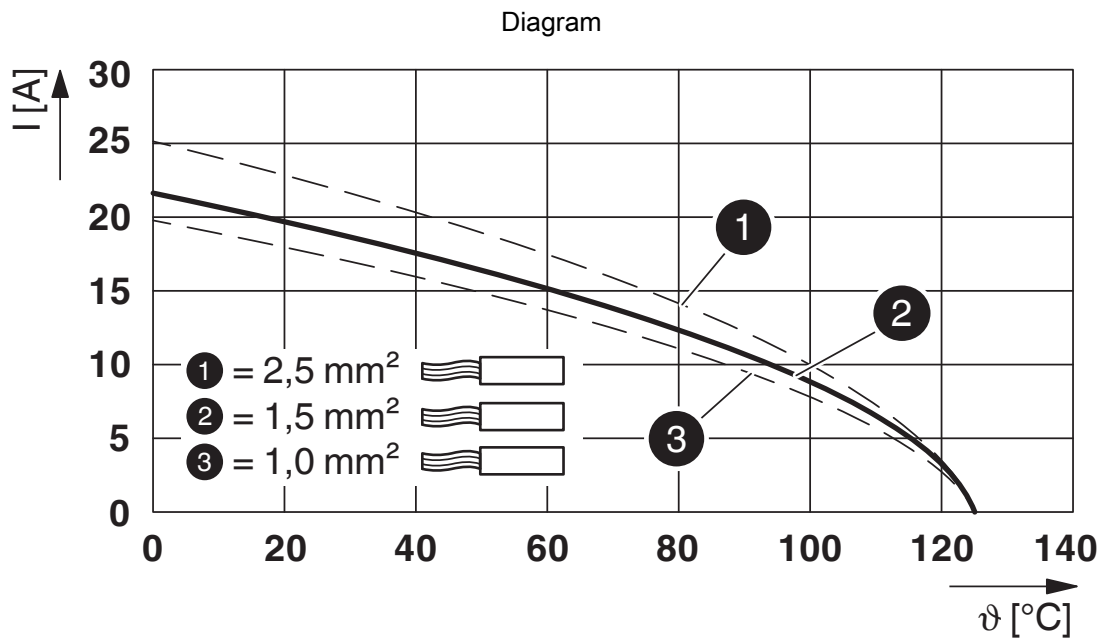
Diagram



Derating diagram for flexible conductors

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Derating diagram for solid conductors

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1605613>



**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 10.0	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
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### 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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