

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



1605590

<https://www.phoenixcontact.com/us/products/1605590>

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.



Contact insert, size: B24, 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	1605590
Packing unit	10 pc
Minimum order quantity	10 pc
Product key	AF7ABC
GTIN	4017918940799
Weight per piece (including packing)	126.26 g
Weight per piece (excluding packing)	126.26 g
Country of origin	PL

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



1605590

<https://www.phoenixcontact.com/us/products/1605590>

Technical data

Notes

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

Mounting

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

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
------------------	--------

Connection data

Connection technology

Connection technology	QUICKON connection
	QUICKON connection

Conductor connection

Conductor cross section	0.34 mm ² ... 2.5 mm ² (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

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



1605590

<https://www.phoenixcontact.com/us/products/1605590>

Mechanical data

Insertion/withdrawal cycles	≥ 500
-----------------------------	-------

Material specifications

Flammability rating according to UL 94	V0
--	----

Environmental and real-life conditions

Ambient conditions

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

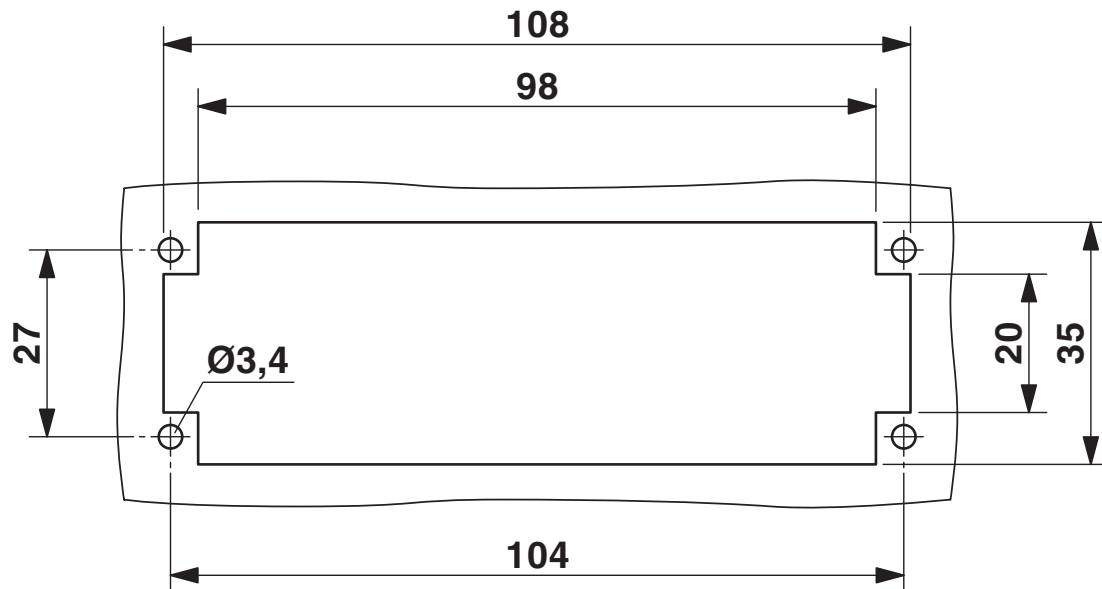
HC-B 24-EBUQ-2,5-OLOGO - Contact insert

1605590

<https://www.phoenixcontact.com/us/products/1605590>

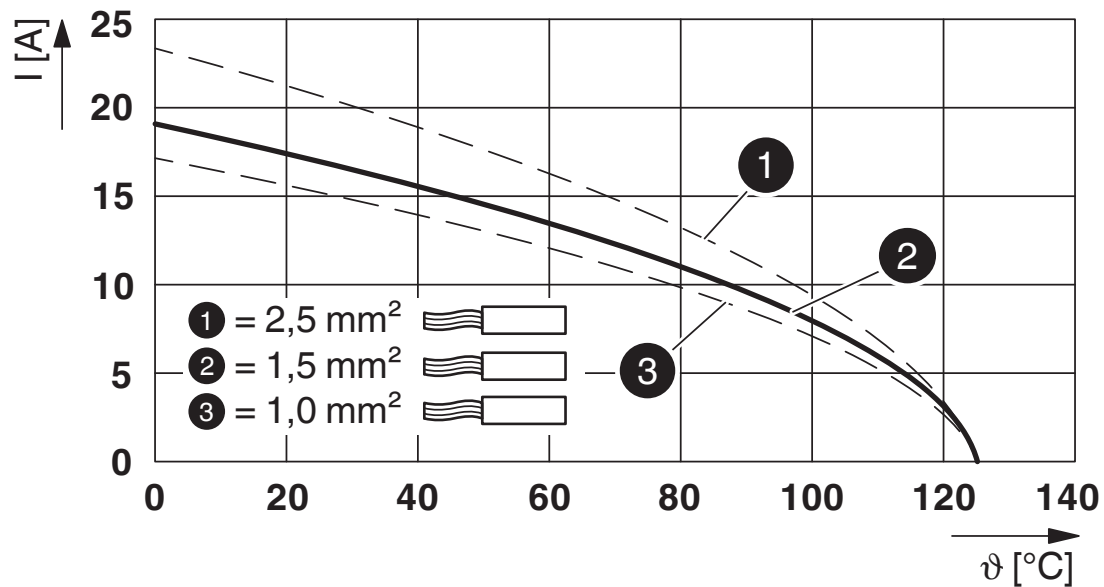
Drawings

Dimensional drawing

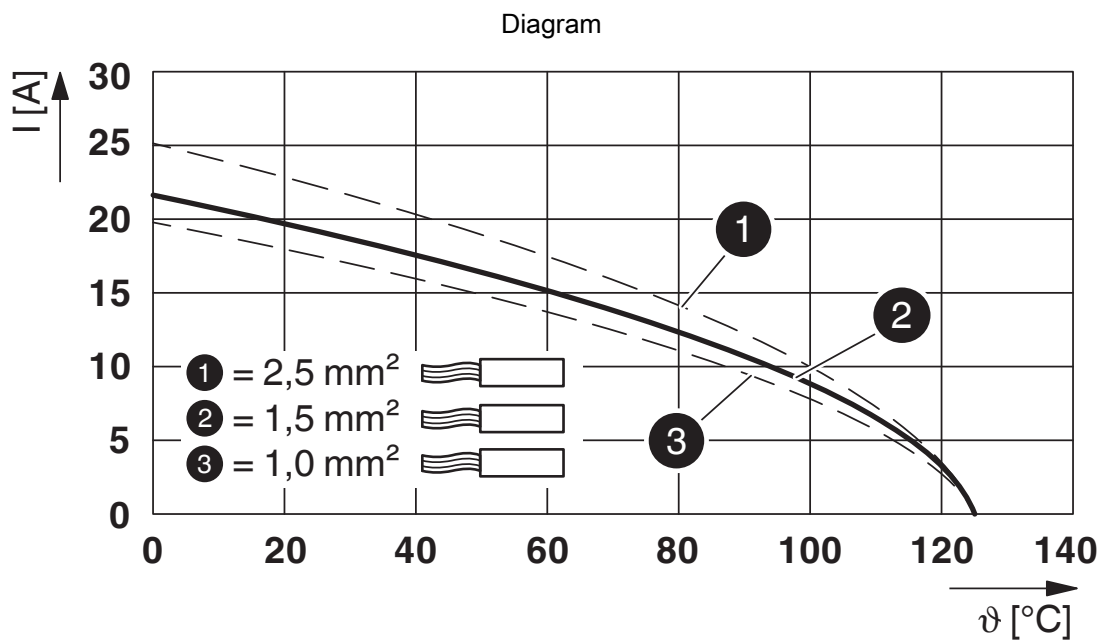


Mounting cutout when used without housing

Diagram



Derating diagram for flexible conductors



Derating diagram for solid conductors

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



1605590

<https://www.phoenixcontact.com/us/products/1605590>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1605590>



EAC

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

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



1605590

<https://www.phoenixcontact.com/us/products/1605590>

Classifications

ECLASS

ECLASS-13.0	27440205
-------------	----------

ETIM

ETIM 9.0	EC000438
----------	----------

UNSPSC

UNSPSC 21.0	39121500
-------------	----------

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



1605590
<https://www.phoenixcontact.com/us/products/1605590>

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%

Phoenix Contact 2025 © - 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