

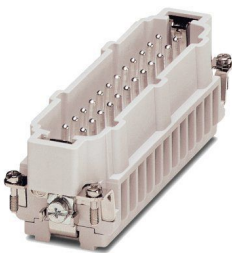
HC-B 24-ESTS 48 - Contact insert



1772104

<https://www.phoenixcontact.com/us/products/1772104>

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HEAVYCON male insert, B24 series, 24-pos., screw connection, numbering 25 ... 48

Commercial data

Item number	1772104
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF61
Product key	AF7ABC
GTIN	4017918036775
Weight per piece (including packing)	140.81 g
Weight per piece (excluding packing)	140.81 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	For HEAVYCON-ADVANCE housing of B24 type and HEAVYCON housing of B24/B48 type
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Mounting

Assembly note	For housings of type B16/B32. Connectors may only be actuated when there is no load/voltage.
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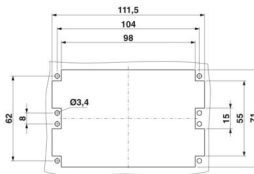
Product properties

Product type	Contact insert with a fixed no. of positions
Type	B24
Number of positions	24
Connection profile	24+PE
Contact numbering	25 - 48

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	35.5 mm
Length	111 mm

Connection data

Connection technology

Connection technology	Screw connection
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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

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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	PA

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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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

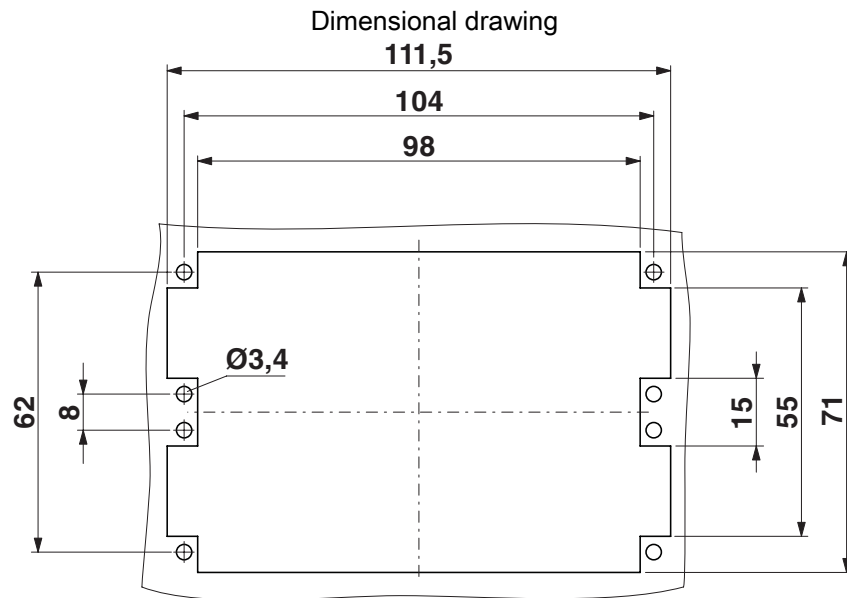
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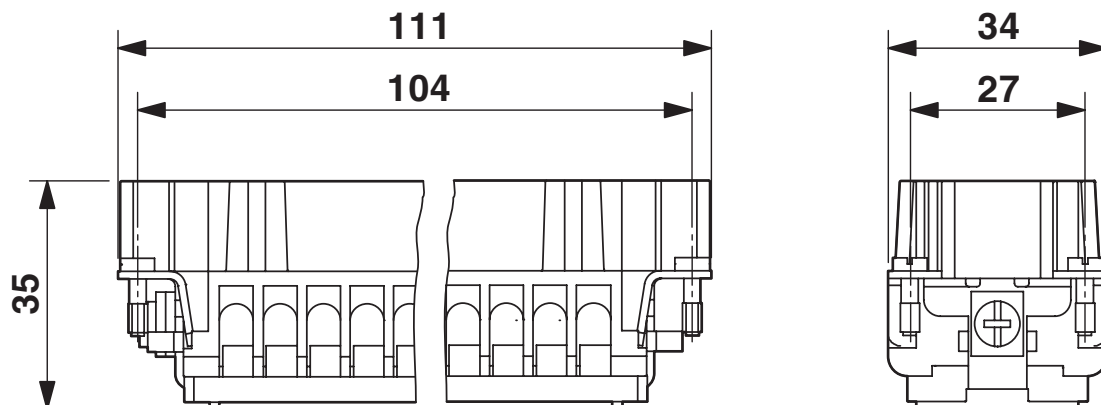
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Drawings



Mounting cutout

Dimensional drawing



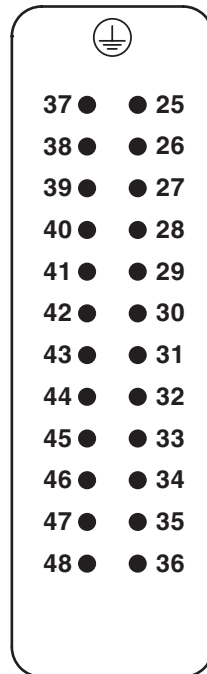
Male insert

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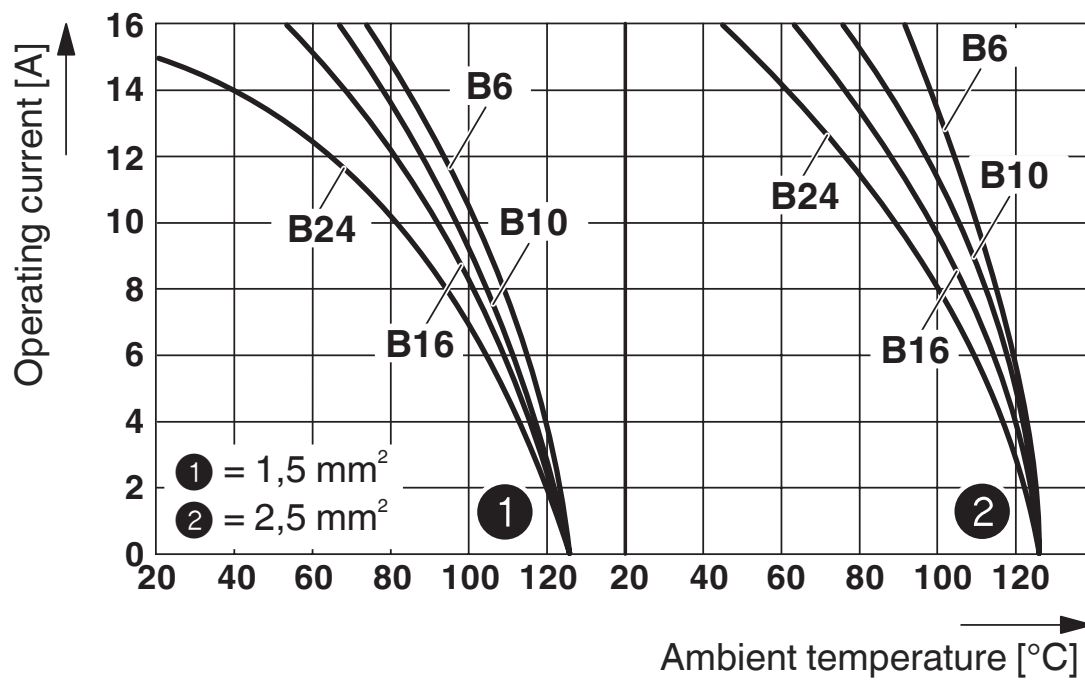
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Schematic diagram



Connector pin assignment, connection side

Diagram



Derating diagram

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Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

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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%
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