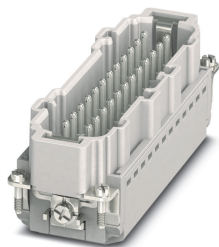


Contact insert - HC-B24-I-PT-M - 1407736

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HEAVYCON pin insert, B24 series, 24 + PE-pos., push-in connection

Your advantages

- ✓ Easy installation without tools, even when mounted, with push-in connection technology
- ✓ Shortest installation time compared to other connection technologies
- ✓ Quick and effortless wiring, in particular when space is tight
- ✓ Automatic cabling with robots possible
- ✓ Safe wiring and operation with color-coded actuators
- ✓ Shock and vibration-resistant in accordance with DIN EN 61373
- ✓ Cost-effective and fast coding with plastic profiles
- ✓ Test connection for 2 mm test plug



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 777711
GTIN	4046356777711
Weight per Piece (excluding packing)	102.300 g
Custom tariff number	85366990
Country of origin	China
Sales Key	BF7ABC

Technical data

General

Note	only use flexible conductors with ferrules
	Connectors may be operated only when there is no load/voltage.
Connection technology	Push-in connection
Torque	0.8 Nm ... 1.2 Nm (PE connection)

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Technical data

General

	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Number of connections per position	1
Degree of pollution	3
Overtoltage category	III
Number of positions	24+PE
Insertion/withdrawal cycles	≥ 500
Size	B24
	B48
Contact numbering	1 - 24
Conductor cross section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length	8 mm ... 10 mm
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required

Ambient conditions

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

Contact material	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)
	PC: Fire protection in rail vehicles - requirement set R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Electrical characteristics

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

Standards and Regulations

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)
	PC: Fire protection in rail vehicles - requirement set R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

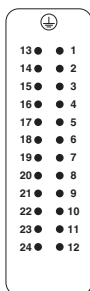
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

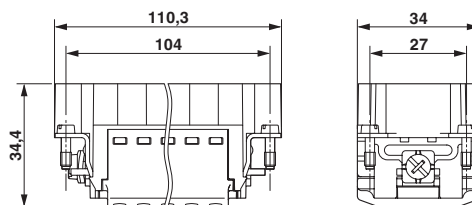
Drawings

Contact insert - HC-B24-I-PT-M - 1407736

Schematic diagram



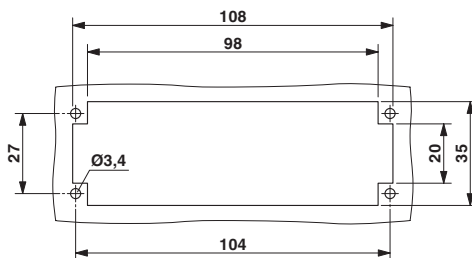
Dimensional drawing



Dimensional drawing

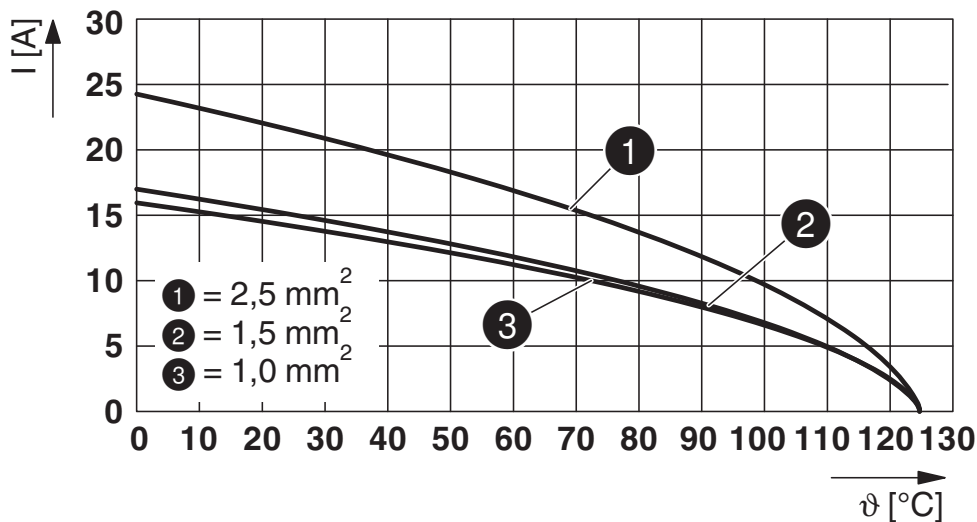
Connector pin assignment, connection side

Dimensional drawing



Mounting cutout when used without housing

Diagram



Derating diagram

Classifications

eCl@ss

eCl@ss 10.0.1	27440205
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<https://www.phoenixcontact.com/gb/products/1407736>



Contact insert - HC-B24-I-PT-M - 1407736

Classifications

eCl@ss

eCl@ss 11.0	27440205
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 6.0	EC000438
ETIM 7.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

Approvals

Approvals

Approvals

CSA / UL Recognized / EAC / DNV GL / EAC / cULus Recognized

Ex Approvals


Approval details


<https://www.phoenixcontact.com/gb/products/1407736>



Contact insert - HC-B24-I-PT-M - 1407736

Approvals


CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		600 V	
Nominal current IN		10 A	
mm ² /AWG/kcmil		14	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN		600 V	
Nominal current IN		13 A	
mm ² /AWG/kcmil		14	

EAC			RU C- DE.AI30.B.01102
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DNV GL		https://approvalfinder.dnvgl.com/	TAE000037S
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EAC			RU C- DE.BL08.B.00511
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E468743
Nominal voltage UN		600 V	
Nominal current IN		13 A	
mm ² /AWG/kcmil		14	

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