

Contact insert - HC-B16-I-PT-M - 1407732

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HEAVYCON pin insert, B16 series, 16 + PE-pos., push-in connection

Your advantages

- For fast coding with plastic profile
- Conductor connection without tools
- Significant time savings during conductor connection
- Test connection for 2 mm test plug



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356777674

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B16 type. Plug-in connections may only be operated only when there is no load/voltage.
	Connectors may be operated only when there is no load/voltage.
	For solid conductors or stranded conductors with ferrules
Connection method	Push-in connection
Number of connections per position	1
Degree of pollution	3
Overvoltage category	III
Number of positions	16+PE
Insertion/withdrawal cycles	≥ 500
Size	B16
Contact numbering	1 - 16

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Technical data

General

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
Connection	Connectors may only be operated when there is no load/the power is switched off. Can be used for solid wires and stranded wires with ferrule.

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

Flammability rating according to UL 94	V0
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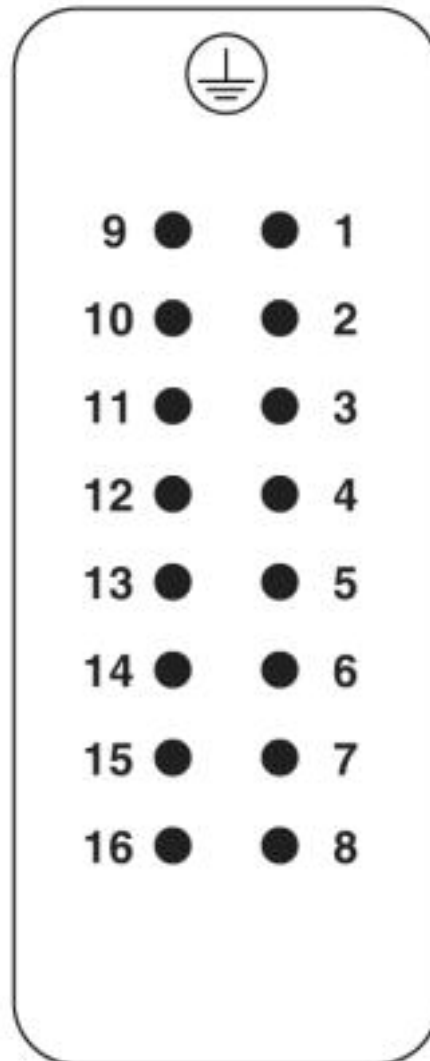
Environmental Product Compliance

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

Drawings

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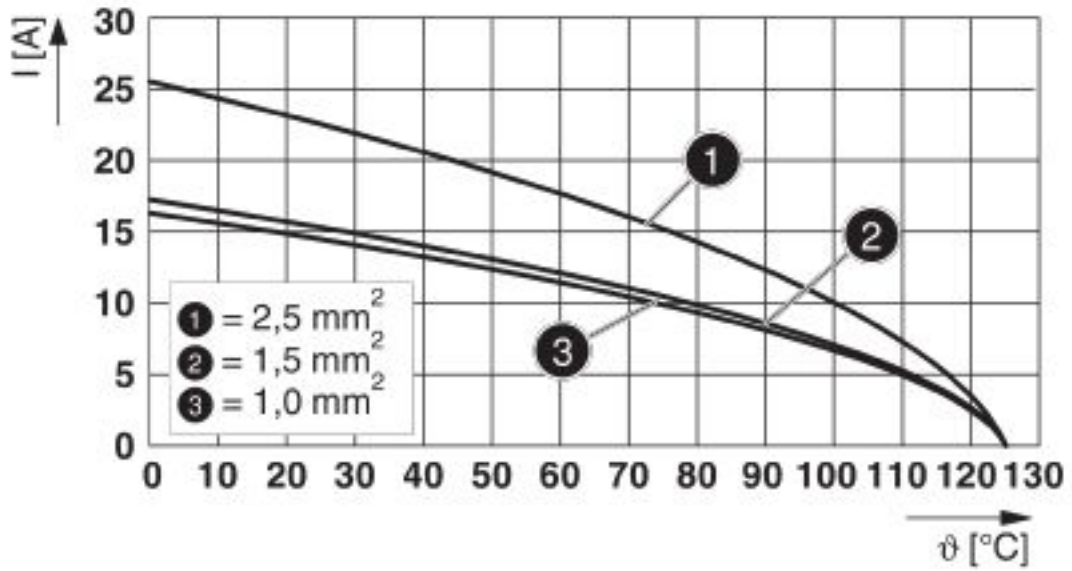
Schematic diagram



Connector pin assignment, connection side

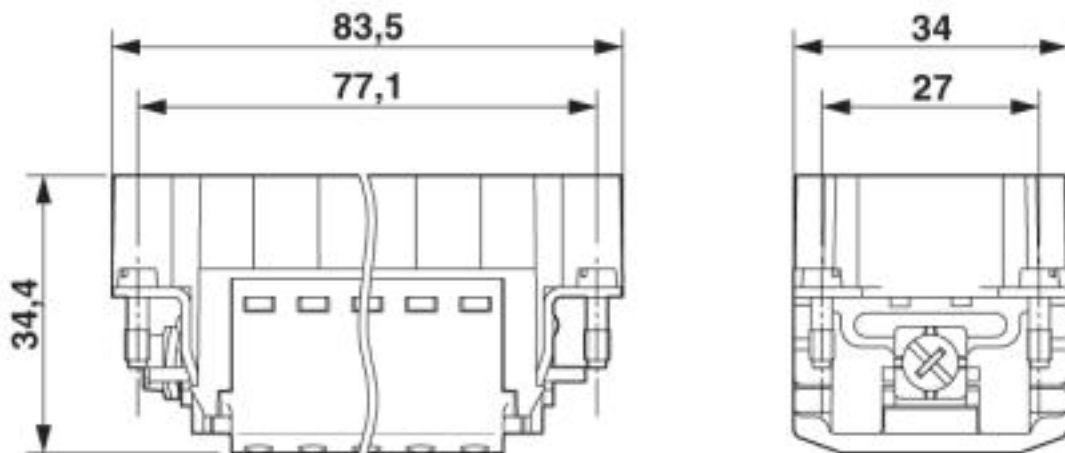
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Diagram



Derating diagram

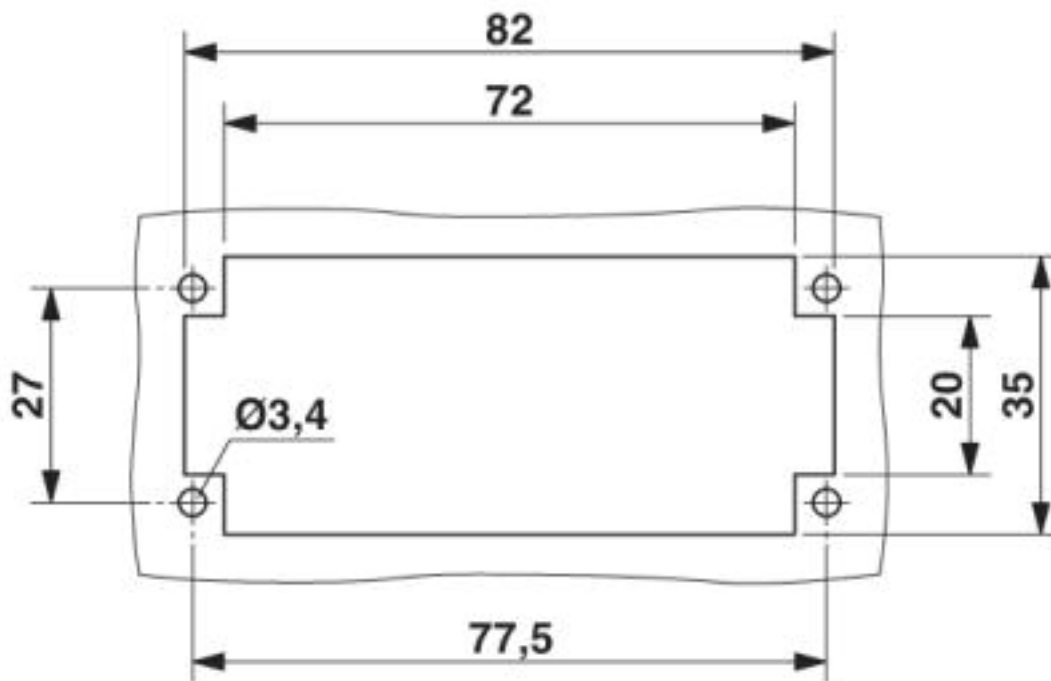
Dimensional drawing



Dimensional drawing

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Dimensional drawing



Mounting cutout when used without housing

Approvals

Approvals

Approvals

CSA / UL Recognized / EAC / DNV GL


Ex Approvals


Approval details

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		

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Approvals

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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