Contact insert - HC-B06-I-PT-F - 1407727

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HEAVYCON socket insert, B6 series, 6 + 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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 777520
GTIN	4046356777520

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B6 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	6+PE
Insertion/withdrawal cycles	≥ 500
Size	B6
Contact numbering	1 - 6
Conductor cross section	0.14 mm² ... 2.5 mm²

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Technical data

General

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)

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

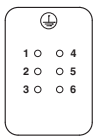
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

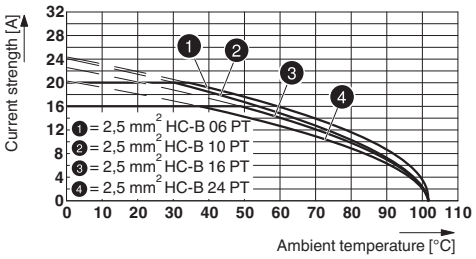
Drawings

Schematic diagram



Connector pin assignment, connection side

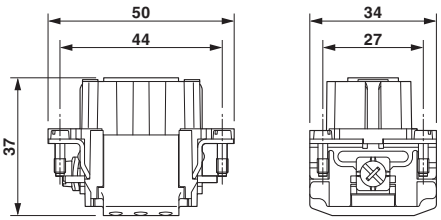
Diagram



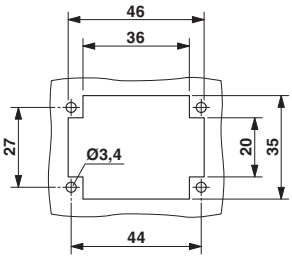
Derating diagram

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Dimensional drawing



Dimensional drawing



Mounting cutout when used without housing

Approvals

Approvals

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CSA / GL / UL Recognized / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631

Nominal voltage UN	600 V
Nominal current IN	13 A
mm²/AWG/kcmil	14

GL		http://exchange.dnv.com/tari/	6196614 HH

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976

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Approvals

EAC	EAC	RU C-DE.AI30.B.01102

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