

Contact insert - HC-B 16-I-CT-F - 1648283

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HEAVYCON female insert, B16 series, 16-pos., for crimp contacts

Your advantages

- ✓ For fast coding with plastic profile

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 092418
GTIN	4046356092418

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B16 type, crimp contacts CK 2,5-ED (crimp contacts not included in the scope of supply).
	Connectors may be operated only when there is no load/voltage.
Connection method	Crimp 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
Conductor cross section	0.5 mm² ... 4 mm²
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	7.5 mm

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Technical data

General

Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
Connection	For housing type B16. Connectors may only be inserted when there is no load/the power is switched off. Use a screwdriver to remove the crimp contacts. The opening for the screwdriver is next to the opening where the conductor is inserted.

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 (alternatively Au)
Contact carrier material	PA
Standards/regulations	PA: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)
	PA: 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

Standards and Regulations

Connection in acc. with standard	CSA
Constructional and testing regulations	DIN EN 61984
	DIN EN 60664
	IEC 60352
Flammability rating according to UL 94	V0

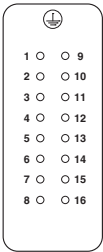
Environmental Product Compliance

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

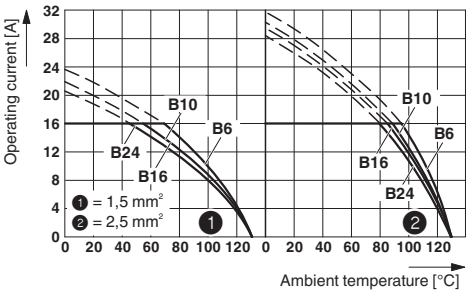
Drawings

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Schematic diagram



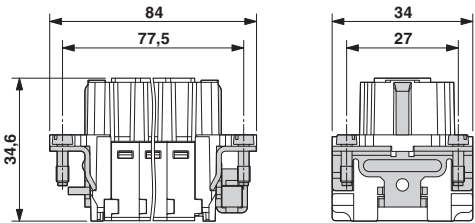
Diagram



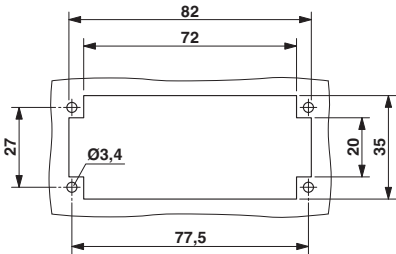
Connector pin assignment, connection side

Derating diagram

Dimensional drawing



Dimensional drawing



Female insert

Mounting cutout when used without housing

Approvals

Approvals

Approvals

CSA / GL / UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	013631_6233_01
Nominal voltage UN	600 V		
Nominal current IN	20 A		
mm²/AWG/kcmil	20-12		

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Approvals

GL		http://exchange.dnv.com/tari/	6196614 HH
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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		
mm²/AWG/kcmil		22-14		

cUL 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
mm²/AWG/kcmil					22-14

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