

Contact insert - HC-HS06-I-UT-F - 1406530

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HEAVYCON female insert, HS6 series, 6-pos., screw connection

Why buy this product

- For fast coding with plastic profile

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 921350
GTIN	4046356921350
Weight per Piece (excluding packing)	100.000 g
Custom tariff number	85366990
Country of origin	China

Technical data

General

Note	For HEAVYCON housing B16 and B32
Connection method	Screw connection
Tightening torque	1.2 Nm
Screwdriver blade	PH1
Number of connections per position	1
Degree of pollution	3
Overvoltage category	III
Number of positions	6+PE
Insertion/withdrawal cycles	≥ 500

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Technical data

General

Size	B16
Contact numbering	1 - 6
Conductor cross section	0.5 mm ² ... 6 mm ² (power contacts)
Connection cross section AWG	20 ... 10
Stripping length of the individual wire	10 mm
Assembly instructions	Connectors may be operated only when there is no load/voltage.
Connection	Connectors may only be actuated when there is no load/voltage.

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

Electrical characteristics

Rated voltage for power contacts	400/690 V
Rated voltage (III/3)	400 V (Conductor-PE)
	690 V (Conductor-Conductor)
Rated surge voltage	6 kV (power contacts)
Rated current	41 A (power contacts)

Standards and Regulations

Flammability rating according to UL 94	V0
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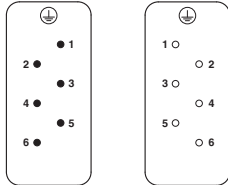
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

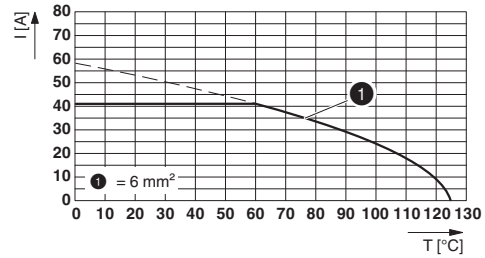
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Schematic diagram



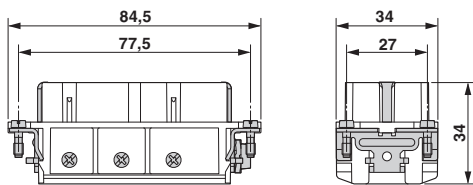
Connector pin assignment, connection side

Diagram



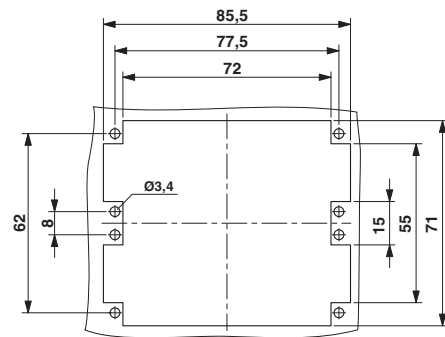
Derating diagram

Dimensional drawing



Dimensional drawing

Dimensional drawing



Mounting cutout

Classifications

eCl@ss

eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 4.0	EC000438
ETIM 5.0	EC000438
ETIM 6.0	EC000438

UNSPSC

UNSPSC 13.2	39121522
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Approvals


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UL Recognized / GL / CSA / EAC

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
mm ² /AWG/kcmil	10		
Nominal current I _N	35 A		
Nominal voltage U _N	600 V		

GL		http://exchange.dnv.com/tari/	6196614 HH
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CSA		http://www.csagroup.org/services-industries/product-listing/	013631_0_000
mm ² /AWG/kcmil	10		
Nominal current I _N	32 A		
Nominal voltage U _N	600 V		

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

Accessories

Coding element

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Accessories

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

Coding bolt - HC-CB - 1772722



Coding pin, prevents mismatching of up to six connectors with an identical number of positions

Coding profile - CP-HC - 1686478



Coding profile, 4 coding profiles per strip, for insertion in coding keyways

Mounting material

Screw - HC-HS-PES - 1586219



PE screw, for HC-HS contact inserts
