

Contact insert - HC-B 6-I-UT-M - 1648115

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HEAVYCON male insert, B6 series, 6-pos., screw connection

Why buy this product

- For fast coding with plastic profile
- For test pin 2 mm

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 092234
GTIN	4046356092234
Weight per Piece (excluding packing)	47.900 g
Custom tariff number	85366990
Country of origin	China

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.
Connection method	Screw connection
Tightening torque	0.5 Nm ... 0.8 Nm
Screwdriver blade	0.5 x 3.5 mm
Number of connections per position	1
Degree of pollution	3
Overvoltage category	III
Number of positions	6+PE
Insertion/withdrawal cycles	≥ 500
Size	B6

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Technical data

General

Contact numbering	1 - 6
Conductor cross section	0.5 mm ² ... 2.5 mm ² (applies to stranded conductors with ferrules)
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	8 mm
Assembly instructions	Coding also using the CP-HC (1686478) coding profiles. HC-B6../ HC-B10..for two coding profiles. HC-B16../ HC-B24..for four coding profiles.
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

Electrical characteristics

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	24 A

Standards and Regulations

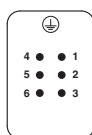
Connection in acc. with standard	CSA
Constructional and testing regulations	DIN EN 61984
	DIN EN 60664
	IEC 60352
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

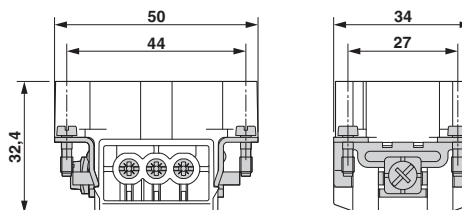
Drawings

Schematic diagram



Connector pin assignment, connection side

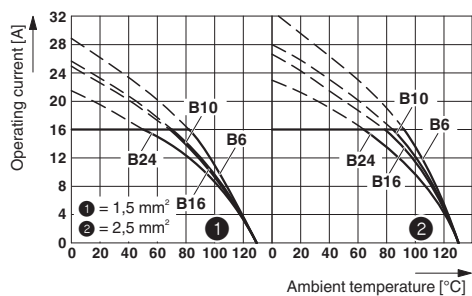
Dimensional drawing



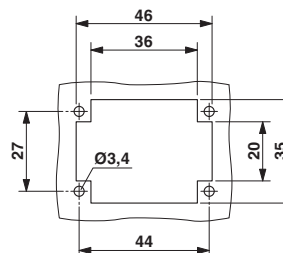
Male insert

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Diagram



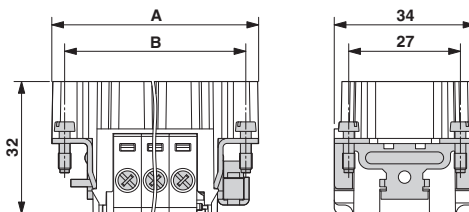
Dimensional drawing



Mounting cutout when used without housing

Derating diagram

Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438
ETIM 6.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

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Approvals

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GL / CSA / UL Recognized / EAC

Ex Approvals

Approval details

GL		http://exchange.dnv.com/tari/	6196614 HH
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CSA		http://www.csagroup.org/services-industries/product-listing/	013631_6233_01
mm ² /AWG/kcmil		22-14	
Nominal current IN		13 A	
Nominal voltage UN		600 V	

UL Recognized		http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm	FILE E 118976
mm ² /AWG/kcmil		14	
Nominal current IN		16 A	
Nominal voltage UN		600 V	

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

Accessories

Adapter plate

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Accessories

Adapter plate - HC-B 24-ADP-B 6-GY - 1660407



HEAVYCON adapter plate, type B24 on B6, for panel cutouts of type B24, gray

Coding element

Coding profile - CP-HC - 1686478



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

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 element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

DIN rail mounting frame

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Accessories

DIN rail mounting frame - HC-SMR-2B 6 - 1687998



HEAVYCON DIN rail mounting frame, for two contact inserts of type B6

DIN rail mounting frame - HC-SMR-B 6 - 1687956



HEAVYCON DIN rail mounting frame, for type B6 contact inserts

Docking frame

Docking frames - HC-B 6-ANDOCK - 1586112



Docking frames for racks, for type B6 contact inserts, with 4 M5 flat headed screws, slide-in offset for x/y axis of ± 1.5 mm

Mounting material

Screw - HC-B-PES - 1604997



PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64

PE multiplier - HC-B-3PE - 1644326



PE multiplier, for three PE connections, for HC-B (besides HC-B..E..ZZ) / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts

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Accessories

Strain relief clamp - HC-B-ZG - 1685327



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit

Strain relief clamp - HC-B-ZS - 1685330



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit

Plug mounting plate

DIN rail mounting frame - HC-SMP 125-B 6-AML - 1660957



HEAVYCON DIN rail mounting frame with panel mounting base with single locking latch, for contact inserts of type B6
