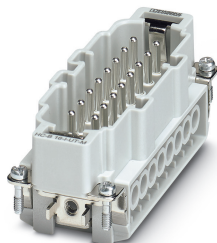


Contact insert - HC-B 16-I-UT-M-32 - 1584871

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HEAVYCON male insert, B16 series, 16-pos., 17 ... 32 printed, screw connection

Your advantages

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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 156080
GTIN	4046356156080
Weight per Piece (excluding packing)	80.000 g
Custom tariff number	85366990
Country of origin	China

Technical data

General

Note	for flexible conductors with or without ferrules
	Connectors may be operated only when there is no load/voltage.
Connection technology	Screw connection
Tightening torque	0.5 Nm ... 0.8 Nm
Torque	0.8 Nm ... 1.2 Nm (PE connection)
	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Screwdriver blade	0.5 x 3.5 mm

Contact insert - HC-B 16-I-UT-M-32 - 1584871

Technical data

General

Degree of pollution	3
Overvoltage category	III
Number of positions	16+PE
Insertion/withdrawal cycles	≥ 500
Size	B16
	B32
Contact numbering	17 - 32
Conductor cross section	0.5 mm² ... 2.5 mm²
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	8 mm
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required

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 (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A
SCCR	5 kA (UL 2237)

Standards and Regulations

Constructional and testing regulations	DIN EN 61984
	DIN EN 60664
	IEC 60352
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

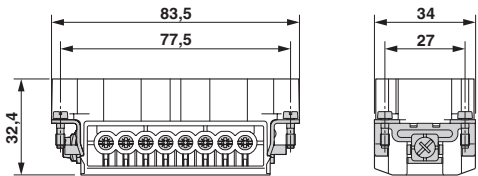
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Contact insert - HC-B 16-I-UT-M-32 - 1584871

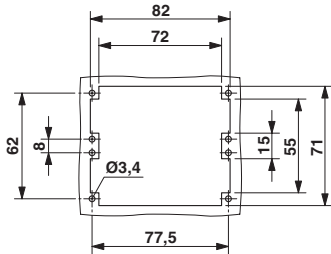
Drawings

Dimensional drawing



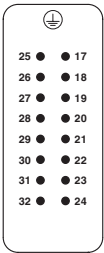
Male insert

Dimensional drawing



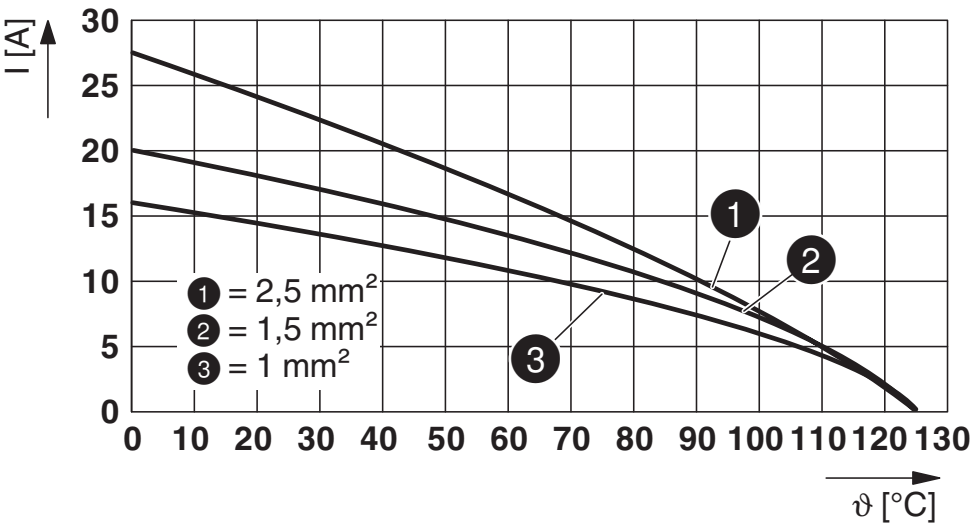
Mounting cutout when used without housing

Schematic diagram



Connector pin assignment, connection side

Diagram



Derating diagram

Contact insert - HC-B 16-I-UT-M-32 - 1584871

Classifications

eCl@ss

eCl@ss 10.0.1	27440205
eCl@ss 11.0	27440205
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 6.0	EC000438
ETIM 7.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

Approvals

Approvals

Approvals

DNV GL / CSA / UL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Contact insert - HC-B 16-I-UT-M-32 - 1584871

Approvals

Approval details

DNV GL		https://approvalfinder.dnvgl.com/	TAE000037S
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CSA		http://www.csagroup.org/services-industries/product-listing/	013631_6233_01
Nominal voltage UN		600 V	
Nominal current IN		13 A	
mm²/AWG/kcmil		22-14	

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		16 A	
mm²/AWG/kcmil		14	

EAC		RU C- DE.AI30.B.01102	
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EAC		RU C- DE.BL08.B.00511	
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E468743
Nominal voltage UN		600 V	
Nominal current IN		14 A	
mm²/AWG/kcmil		14	

Contact insert - HC-B 16-I-UT-M-32 - 1584871

Accessories

Accessories

Adapter

Adapter - HC-B-PE-PT - 1054672



PE adapter with PT connection, for 1 PE connection, for HC-B / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts

PE multiplier - HC-B-2PE-PT - 1054675



PE adapter with PT connection, for 2 PE connections, for HC-B / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts

Adapter plate

Adapter plate - HC-B24/16-ADP-SS - 1034216



Adapter plate, type: B24 to B16

Coding element

Coding profile - CP-HC - 1686478



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

Contact insert - HC-B 16-I-UT-M-32 - 1584871

Accessories

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

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

DIN rail mounting frame

DIN rail mounting frame - HC-CIF-B16-HFWL-PL - 1424336



DIN rail mounting frame, type: B16, for contact inserts, Top frame

DIN rail mounting frame - HC-CIF-B06-24-BFAFL-PL - 1424338



DIN rail mounting frame, type: B6 - B24, for contact inserts, Base frame

Contact insert - HC-B 16-I-UT-M-32 - 1584871

Accessories

Docking frame

Docking frames - HC-B 16-ANDOCK - 1586138



Docking frame for racks, for contact inserts of B16 type, with four M5 flat headed screws, rack balance x/y axis ± 1.5 mm

Mounting material

PE multiplier - HC-B-3PE - 1644326



PE multiplier, for 3 PE connections, for HC-B / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts

Screw - HC-B-PES - 1604997



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

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

Contact insert - HC-B 16-I-UT-M-32 - 1584871

Accessories

Additional products

Contact insert - HC-B 16-I-UT-F-32 - 1584884



HEAVYCON female insert, B16 series, 16-pos., 17 ... 32 printed, screw connection
