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

Your advantages

For fast coding with plastic profile

For test pin 2 mm



Key Commercial Data

Packing unit	1 pc
GTIN	4 0 4 6 3 5 6 0 9 2 3 7 1
GTIN	4046356092371
Weight per Piece (excluding packing)	90.000 g
Custom tariff number	85366990
Country of origin	China

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B16 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.
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

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Technical data

General

Overvoltage category	III	
Number of positions	16+PE	
Insertion/withdrawal cycles	≥ 500	
Size	B16	
Contact numbering	1 - 16	
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	To ensure correct use, installation in housing with IP54 protection or be is required	
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)

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 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)	

Electrical characteristics

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	20 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

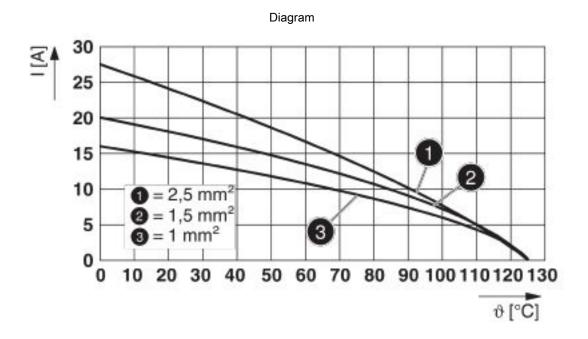
	Lead 7439-92-1
China RoHS Environmentally friendly use period: unlimited = EFUP-e	
No hazardous substances above threshold values	

Drawings



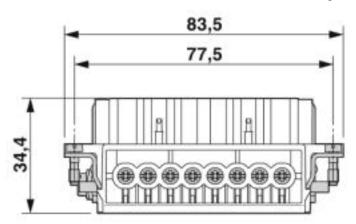
Connector pin assignment, connection side

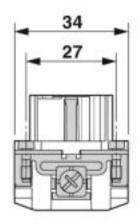




Derating diagram

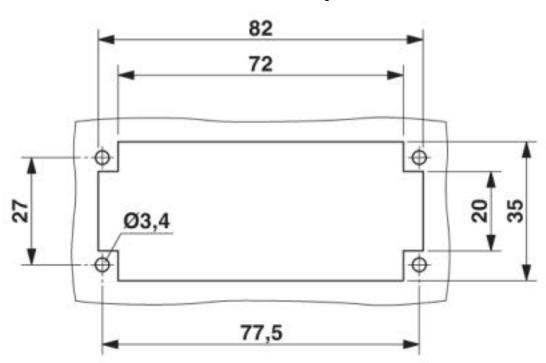
Dimensional drawing





Female insert





Mounting cutout when used without housing

Classifications

eCl@ss

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 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
ETIM 7.0	EC000438

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Classifications

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

CSA / UL Recognized / EAC / DNV GL

Ex Approvals

Approval details

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.c	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	
Nominal voltage UN		600 V	
Nominal current IN		16 A	
mm²/AWG/kcmil		14	

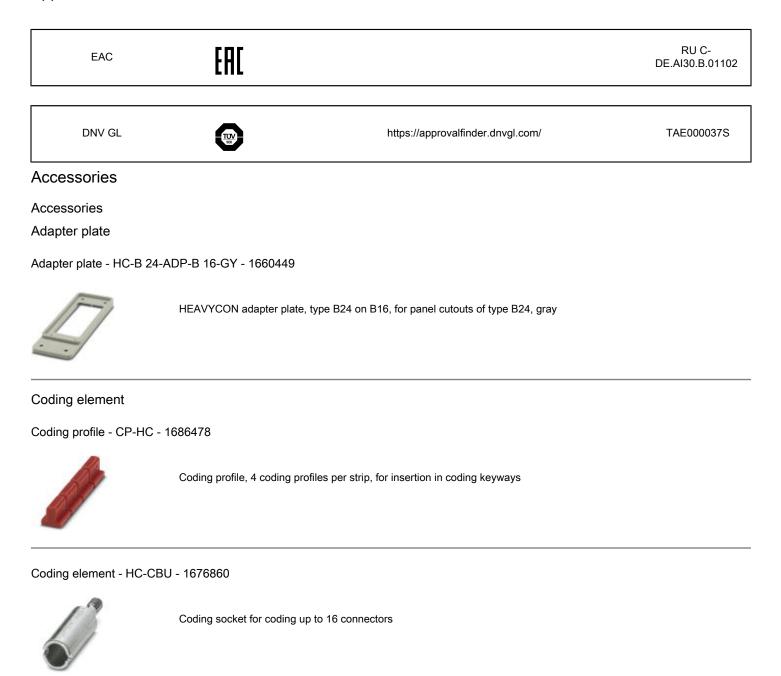
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Approvals





Accessories

Coding bolt - HC-CB - 1772722



Coding pin, prevents mismating 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

DIN rail mounting frame - HC-SMR-B16 - 1687972



HEAVYCON DIN rail mounting frame, for contact inserts of type B16

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



Accessories

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

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

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