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

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HEAVYCON female insert, B16 series, 16-pos., 17 ... 32 color print, screw connection. PE connection using tension sleeve technology.

Product Features

- For fast coding with plastic profile
- PE connection using tension sleeve technology

Key commercial data

Packing unit	1 PCE
Catalog page	Page 513 (PC-2011)
GTIN	4 046356 156097
Custom tariff number	85366990
Country of origin	CHINA

Technical data

General data

Note	For HEAVYCON-ADVANCE of B16 type and HEAVYCON housing of B16/ B32 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
Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
Pollution degree	3
Surge voltage category	III
Constructional and testing regulations	DIN EN 61984
Constructional and testing regulations	DIN EN 60664
Constructional and testing regulations	IEC 60352

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Technical data

General data

Number of positions	16+PE
Insertion/withdrawal cycles	≥ 500
Design	B16
Connection in acc. with standard	IEC / EN
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	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.

Material data

Inflammability class according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA

Electrical characteristics

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A

Classifications

ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

UNSPSC

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

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701

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Classifications

eCl@ss

eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209

Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

CSA

mm²/AWG/kcmil	22-14
Nominal current IN	13 A
Nominal voltage UN	600 V

UL Recognized

mm²/AWG/kcmil	22-14
Nominal current IN	13 A
Nominal voltage UN	600 V

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Accessories

Accessories

Plug/Adapter

Coding profile - CP-HC - 1686478



Encoding profile, 4 encoding profiles per strip, 40 strips per unit pack, for insertion in encoding grooves

Mounting material - 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

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 plug-in connectors

Coding bolt - HC-CB - 1772722



Coding pin, prevents mismating of up to six plug-in connectors with an identical number of positions

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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

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Strain relief - 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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Coding element - HC-CST - 1676857



Coding peg for coding up to 16 plug-in connectors

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Accessories

Connector assembly frame - HC-SMR-B16 - 1687972



HEAVYCON connector assembly frame, for contact inserts of type B16

Connector assembly frame - HC-SMP 125-B16-AMQ - 1660973



HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B16

Adapter plate - HC-B 24-ADP-B 16-GY - 1660449



HEAVYCON adapter plate, type B24 on B16, for panel cutouts of type B24, gray

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Docking frames - HC-B 16-ANDOCK - 1586138



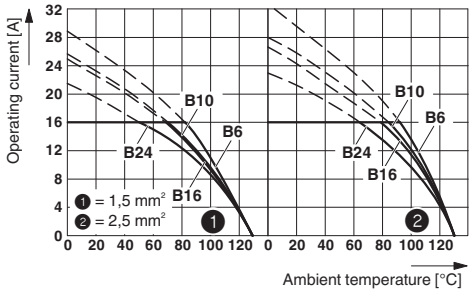
Docking frame for racks, for contact inserts of B16 type, with four M5 flat headed screws, rack balance x/y axis +- 1.5 mm

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Drawings

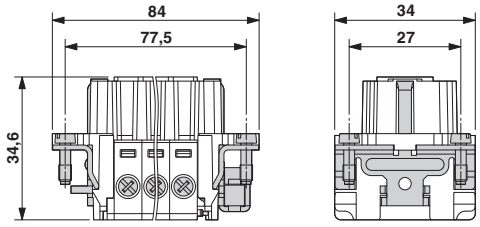
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Diagram



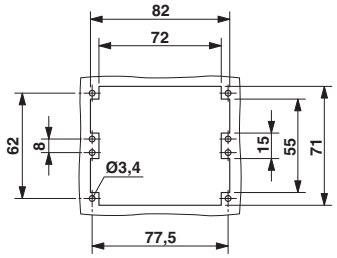
Derating diagram

Dimensioned drawing



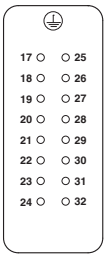
Female insert

Dimensioned drawing



Panel cutout

Schematic diagram



Connector pin assignment, connection side

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