


# HC-B 16-I-CT-F-32

Order No.: 1584923



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1584923>

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

Commercial data	
GTIN (EAN)	 4 046356 156134
sales group	D001
Pack	10 pcs.
Customs tariff	85366990
Catalog page information	Page 515 (PC-2011)

### Product notes

WEEE/RoHS-compliant since:  
01/01/2008



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## Technical data

General data	
Note	For HEAVYCON ADVANCE housing of B16 type and HEAVYCON housing of B16/B32 type, crimp contacts CK 2.5-ED (crimp contacts not included in the scope of supply).
Connection method	Crimp connection
Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)

Pollution degree	3
Surge voltage category	III
Degree of protection	IP20
Constructional and testing regulations	DIN EN 61984 DIN EN 60664 IEC 60352
Number of positions	16
Insertion/withdrawal cycles	≥ 500
Design	B16
Connection in acc. with standard	IEC / EN
Conductor cross-section	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Connection cross-section AWG	20 ... 12
Stripping length of the individual wire	7.5 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 inserted when there is no load/the power is switched off. Use a screwdriver to remove the crimp contacts. The opening for the screwdriver is next to the opening where the conductor is inserted.

**Material data**

Inflammability class acc. 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

**Certificates / Approvals**



Certification

CSA, CUL, UL

**Accessories**

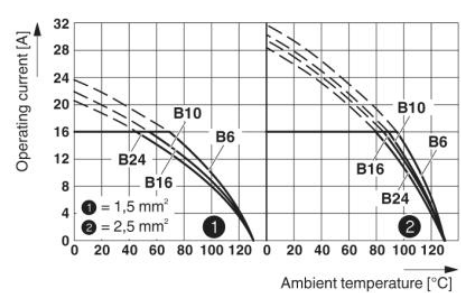
Item	Designation	Description
<b>General</b>		
1584693	CK2,5-ED-BB	Dummy socket for contact carrier with turned CK 1,6-ED.. female contacts
1586138	HC-B 16-ANDOCK	Docking frame for racks, for contact inserts of B16 type, with four M5 flat headed screws, rack balance x/y axis +/- 1.5 mm
1660449	HC-B 24-ADP-B 16-GY	HEAVYCON adapter plate, type B24 on B16, for panel cutouts of type B24, gray
1644326	HC-B-3PE	PE multiplier, for three PE connections, for HC-B (besides HC-B..E..ZZ) / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts
1604997	HC-B-PES	PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64
1685327	HC-B-ZG	Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit
1685330	HC-B-ZS	Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit
1772722	HC-CB	Coding pin, prevents mismatching of up to six plug connectors with an identical number of positions
1676860	HC-CBU	Keying socket for coding up to 16 plug connectors
1676857	HC-CST	Keying peg for coding up to 16 plug connectors
1660973	HC-SMP 125-B16-AMQ	HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B16
1687972	HC-SMR-B16	HEAVYCON connector assembly frame, for contact inserts of type B16

**Plug/Adapter**

1686478	CP-HC	Keying profile, 4-section, for pushing into the keying grooves
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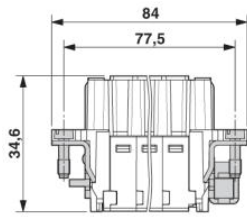
**Diagrams/Drawings**

Diagram

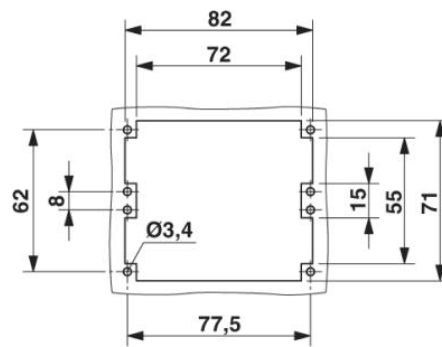
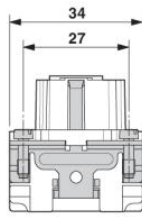


Derating diagram

Dimensioned drawing



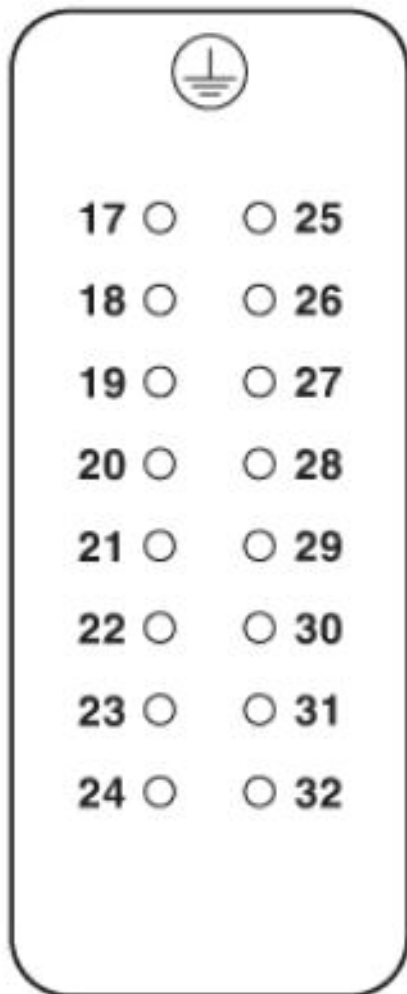
Female insert



Mounting cut-out

Schematic diagram

Connector pin assignment, connection side



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