

Contact insert - HC-B 16-EBUQ-2,5 - 1605572

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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

Product Description

Contact insert

With QUICKON connection technology, the wires are connected with just a turn of the screwdriver. The wires do not have to be stripped first. This reduces connection time by at least 60%.

Key Commercial Data

Packing unit	10 STK
GTIN	 4 017918 940669
GTIN	4017918940669
Weight per Piece (excluding packing)	96.440 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B16 type. Coding using the CP-HC (1686478) coding profile. HC-B6.../ HC-B10... for two coding profiles. HC-B16.../ HC-B24... for 4 coding profiles. Connectors may be operated only when there is no load/voltage.
Connection method	QUICKON connection
Degree of pollution	3
Overvoltage category	III
Number of positions	16+PE
Insertion/withdrawal cycles	≥ 500
Size	B16
Conductor cross section	0.34 mm ² ... 2.5 mm ²
Connection cross section AWG	22 ... 14

Contact insert - HC-B 16-EBUQ-2,5 - 1605572

Technical data

General

Wire diameter including insulation	1 mm ... 3.5 mm
Frequency of connections between conductors of the same cross section	10
Assembly instructions	If the conductor is to be reconnected, it must be cut off above the last contact point.
Connection	For housings of type B16/B32. 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)
Ambient temperature (assembly)	-25 °C ... 50 °C

Material data

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA
Material wire insulation	PVC / PE
Standards/regulations	PA: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)
	PA: Fire protection in rail vehicles - requirement set R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Electrical characteristics

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

Standards and Regulations

Connection in acc. with standard	CSA
Flammability rating according to UL 94	V0

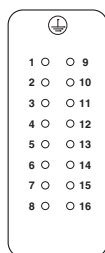
Environmental Product Compliance

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

Drawings

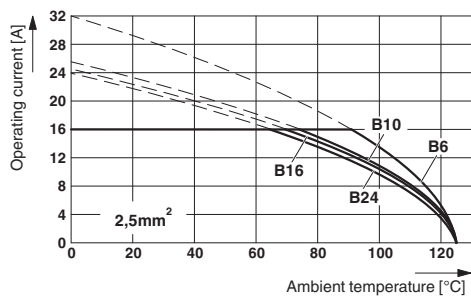
Contact insert - HC-B 16-EBUQ-2,5 - 1605572

Schematic diagram

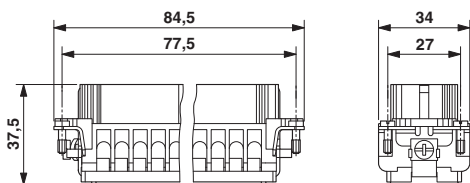


Connector pin assignment, connection side

Diagram

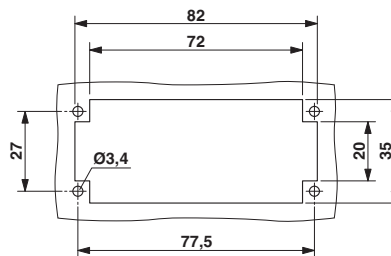


Dimensional drawing



Female insert

Dimensional drawing



Panel cutout

Classifications

eCI@ss

eCI@ss 4.0	27140816
eCI@ss 4.1	27140816
eCI@ss 5.0	27143424
eCI@ss 5.1	27143424
eCI@ss 6.0	27143424
eCI@ss 7.0	27440209
eCI@ss 8.0	27440205
eCI@ss 9.0	27440205

ETIM

ETIM 2.0	EC000437
ETIM 3.0	EC000437
ETIM 4.0	EC000438
ETIM 5.0	EC000438
ETIM 6.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522

Contact insert - HC-B 16-EBUQ-2,5 - 1605572

Classifications

UNSPSC

UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

Approvals


Approvals


Approvals


CSA / cUL Recognized / UL Recognized / EAC / EAC / GL / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	013631_6233_01
mm ² /AWG/kcmil		16	
Nominal current IN		10 A	
Nominal voltage UN		600 V	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
mm ² /AWG/kcmil		14	
Nominal current IN		10 A	
Nominal voltage UN		600 V	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
mm ² /AWG/kcmil		14	
Nominal current IN		10 A	
Nominal voltage UN		600 V	

Contact insert - HC-B 16-EBUQ-2,5 - 1605572

Approvals

EAC		EAC-Zulassung
-----	--	---------------

EAC		7500651.22.01.00246
-----	--	---------------------

GL		http://www.gl-group.com/newbuilding/approvals/index.html	6196614 HH
----	--	---	------------

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
------------------	--	---

Accessories

Accessories

Coding element

Coding profile - CP-HC - 1686478



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

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

Contact insert - HC-B 16-EBUQ-2,5 - 1605572

Accessories

Coding bolt - HC-CB - 1772722



Coding pin, prevents mismatching of up to six connectors with an identical number of positions

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

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 assembly frame

Contact insert - HC-B 16-EBUQ-2,5 - 1605572

Accessories

Connector assembly frame - HC-SMR-B16 - 1687972



HEAVYCON connector assembly frame, for contact inserts of type B16