

Contact insert - HC-B 16-ESTQ-2,5 - 1605637

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



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	90.46 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
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.

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Technical data

General

Connection	For housings of type B16/B32. Connectors may only be actuated when there is no load/voltage.
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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

Classifications

eCl@ss

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

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Classifications

ETIM

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

UNSPSC

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

Approvals

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

CSA 	
mm²/AWG/kcmil	16
Nominal current I _N	10 A
Nominal voltage U _N	600 V

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Approvals

cUL Recognized 	
mm²/AWG/kcmil	14
Nominal current I _N	10 A
Nominal voltage U _N	600 V

UL Recognized 	
mm²/AWG/kcmil	14
Nominal current I _N	10 A
Nominal voltage U _N	600 V

EAC

EAC

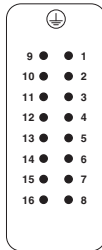
GL

cULus Recognized  US

Drawings

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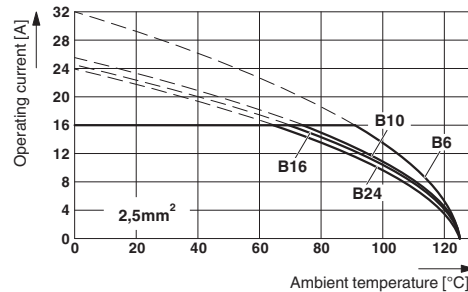
Schematic diagram



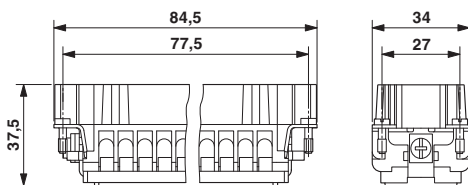
Connector pin assignment, connection side

The illustration shows the derating diagram of various series B contact inserts (B6 to B24), conductor cross section 2.5 mm²

Diagram

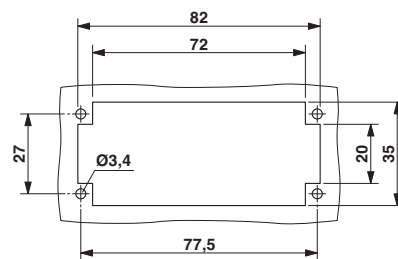


Dimensional drawing



Male insert

Dimensional drawing



Panel cutout