

Contact insert - HC-B 16-EBUQ-2,5-32 - 1605598

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HEAVYCON female insert, B16 series, 16-pos., QUICKON-connection, numbering 17 - 32

Product Description

With the QUICKON connection method, the wires are connected with a simple levering action of the screwdriver. The wire does not need to be stripped before connection! This saves at least 60% connection time!

Key commercial data

package_quantity	10
GTIN	4017918940683

Technical data

General

Note	For HEAVYCON-ADVANCE housing of B16 type and HEAVYCON housing of B16/B32 type. Encoding using coding profile CP-HC (1686478). HC-B6.../ HC-B10... for two coding profiles. HC-B16.../ HC-B24... for four coding profiles. Connectors may only be actuated when there is no load/voltage.
Connection method	QUICKON connection
Pollution degree	3
Surge voltage category	III
Number of positions	16+PE
Insertion/withdrawal cycles	≥ 500
Design	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.
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

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Technical data

Material data

Inflammability class according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA
Material wire insulation	PVC / PE

Electrical characteristics

Rated voltage (III/3)	400 V
Rated surge voltage	6 kV
Rated current	16 A

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	27440209

ETIM

ETIM 2.0	EC000437
ETIM 3.0	EC000437
ETIM 4.0	EC000438
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

CSA / UL Recognized / cUL Recognized / cULus Recognized /

Approval details

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approvals

CSA	
Nominal voltage UN	600 V
Nominal current IN	10 A
mm ² /AWG/kcmil	16

UL Recognized	
Nominal voltage UN	600 V
Nominal current IN	10 A
mm ² /AWG/kcmil	16

cUL Recognized	
Nominal voltage UN	600 V
Nominal current IN	10 A
mm ² /AWG/kcmil	16

cULus Recognized	
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accessories

Coding element

CP-HC - 1686478



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accessories

HC-CST - 1676857



HC-CBU - 1676860



HC-CB - 1772722



Mounting material

HC-B-PES - 1604997



HC-B-3PE - 1644326



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accessories

HC-B-ZG - 1685327



HC-B-ZS - 1685330



Plug assembly frame

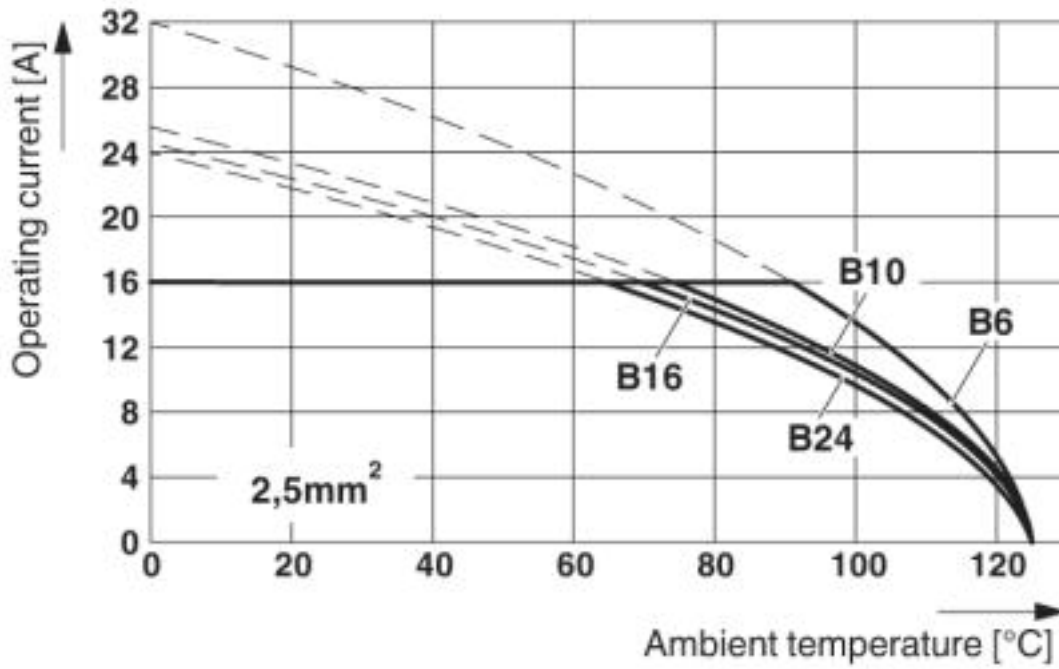
HC-SMR-B16 - 1687972



Drawings

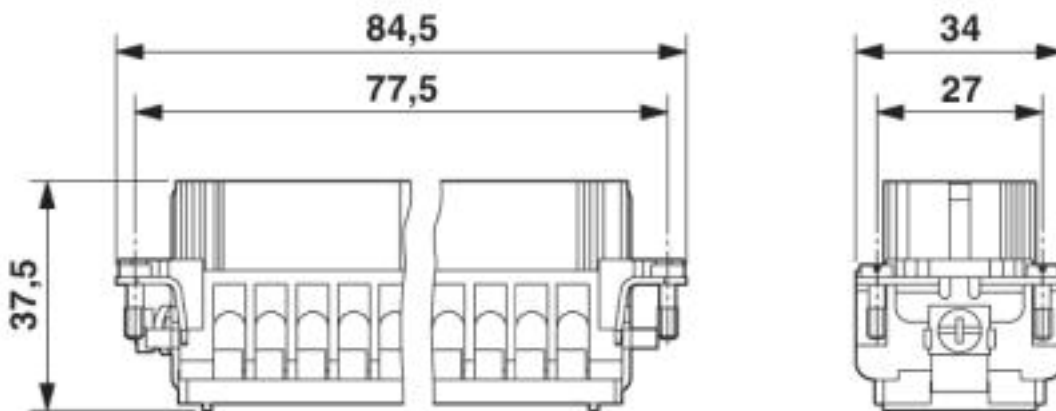
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Diagram



Derating diagram

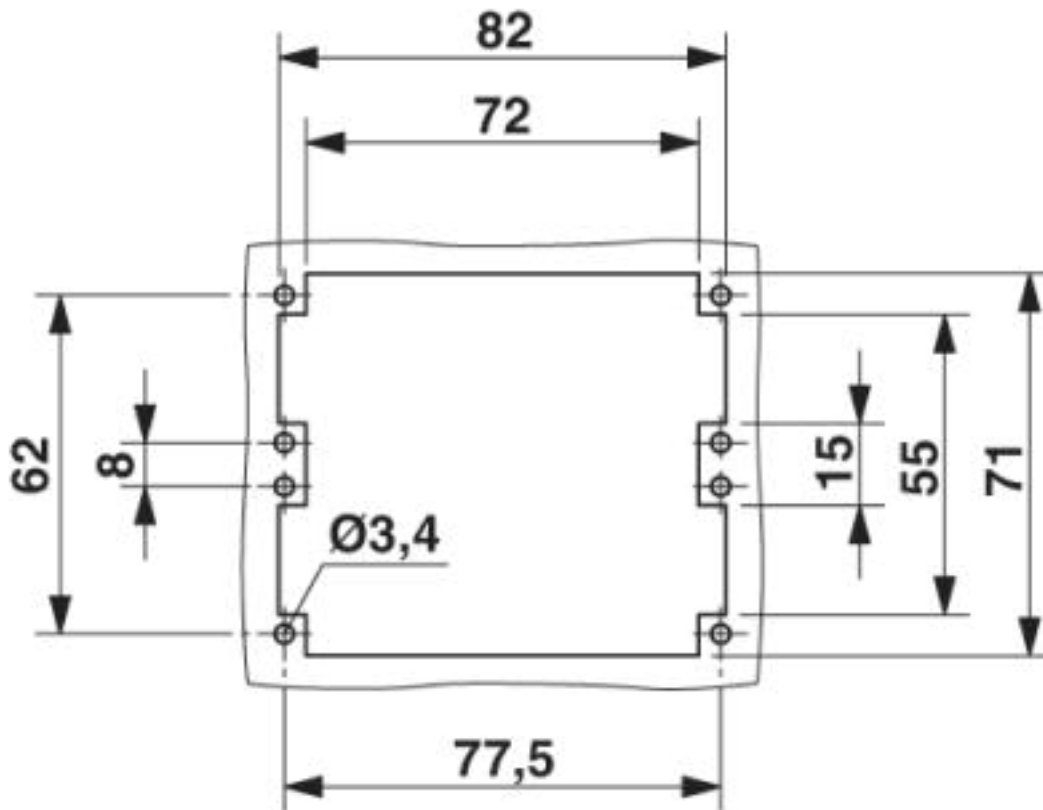
Dimensioned drawing



Female insert

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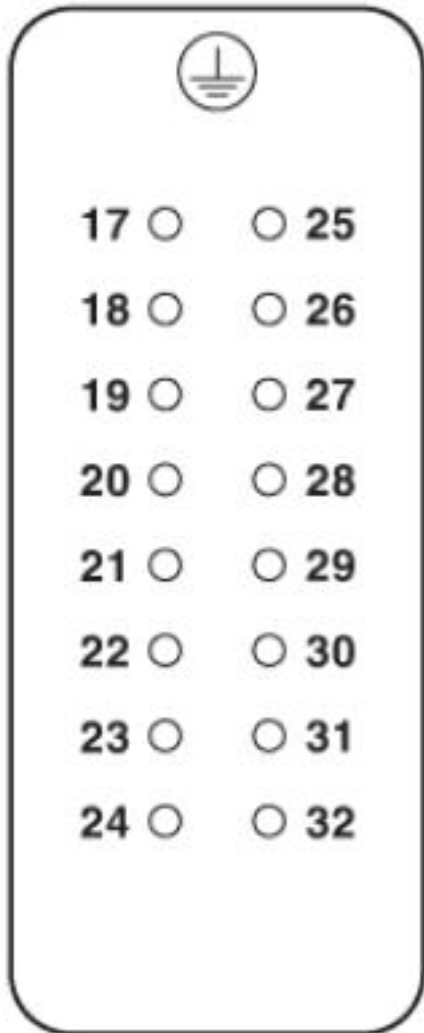
Dimensioned drawing



Panel cutout

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Schematic diagram



Connector pin assignment, connection side

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