

Contact insert - HC-BB 32-ESTC - 1687480

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HEAVYCON male insert, BB32 series, 32-pos., crimp connection

Key commercial data

package_quantity	1
GTIN	4017918609450

Technical data

General

Note	For HC-B16 housing, crimp contacts CK 2,5-ED (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Pollution degree	3
Surge voltage category	III
Number of positions	32+PE
Insertion/withdrawal cycles	≥ 500
Type	B16
Connection in acc. with standard	IEC / EN
Conductor cross section	0.5 mm ² ... 4 mm ²
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	7.5 mm
Assembly instructions	- Housing heights of h ≥ 72 mm are recommended when there is a high number of wires.
Connection	Connectors may be plugged in only when there is no load/voltage.

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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Material data

Inflammability class according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

Electrical characteristics

Rated voltage (III/3)	500 V
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Technical data

Electrical characteristics

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	27261205
eCl@ss 7.0	27440207
eCl@ss 8.0	27440207

ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
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 / GOST /

Approval details

	
Nominal voltage UN	600 V
Nominal current IN	16 A
mm ² /AWG/kcmil	20-12

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approvals

UL Recognized 

GOST 

accessories

Mounting material

HC-B-PES - 1604997



HC-B-3PE - 1644326



HC-B-ZG - 1685327



HC-B-ZS - 1685330



Coding element

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accessories

HC-CBU - 1676860



HC-CB - 1772722



HC-CST - 1676857



CK2,5-ED-BB - 1584693



Plug assembly frame

HC-SMR-B16 - 1687972



Plug mounting plate

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accessories

HC-SMP 125-B16-AMQ - 1660973



Adapter plate

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



Docking frame

HC-B 16-ANDOCK - 1586138



Assembly tool

CK2,5-EWZ - 1662722



Crimping tool

CRIMPFOX-1,6/2,5-ED-4,0 - 1687419



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accessories

Crimp contact

CK2,5-ED-0,50ST AG - 1663572



CK2,5-ED-0,75ST AG - 1663585



CK2,5-ED-1,00ST AG - 1663598



CK2,5-ED-1,50ST AG - 1663608



CK2,5-ED-2,50ST AG - 1663611



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accessories

CK2,5-ED-3,00ST AG - 1663624



CK2,5-ED-4,00ST AG - 1663637



CK2,5-ED-0,50ST AU - 1674804



CK2,5-ED-1,00ST AU - 1674781



CK2,5-ED-1,50ST AU - 1674778



CK2,5-ED-2,50ST AU - 1674817



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accessories

CK2,5-ED-4,00ST AU - 1674794



accessories

CK2,5-ED-0,37ST AG - 1585650



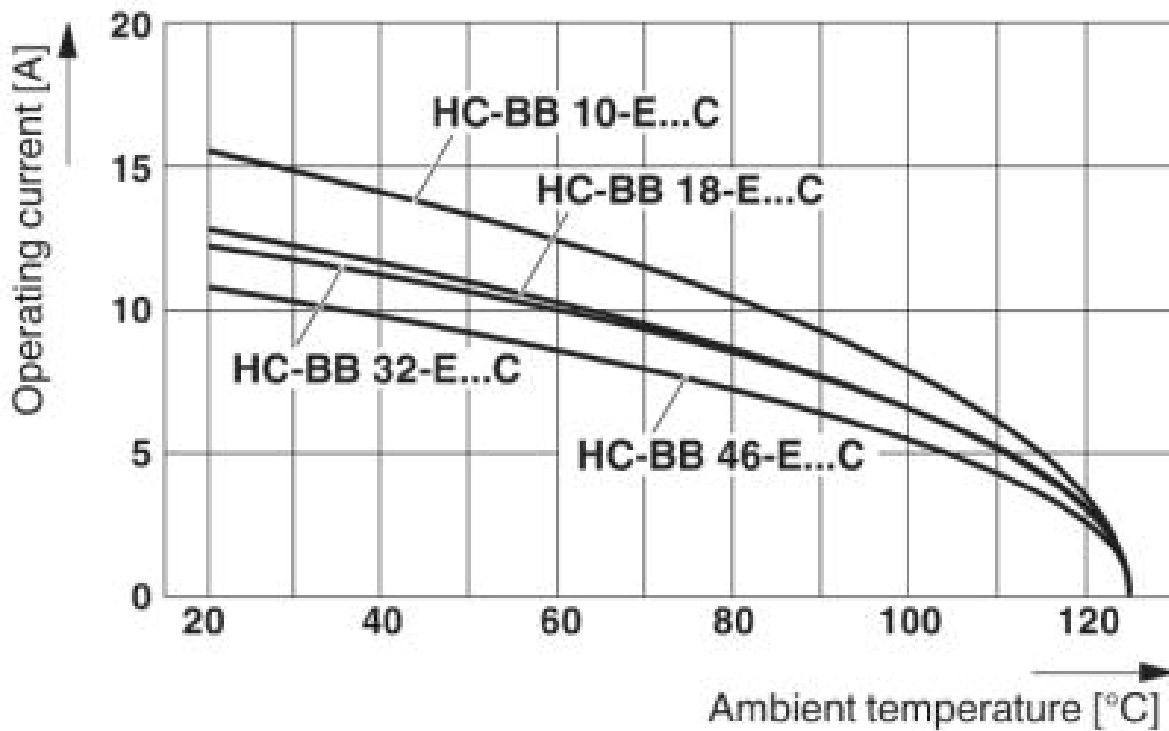
CK2,5-ED-0,37ST AU - 1585663



Drawings

Contact insert - HC-BB 32-ESTC - 1687480

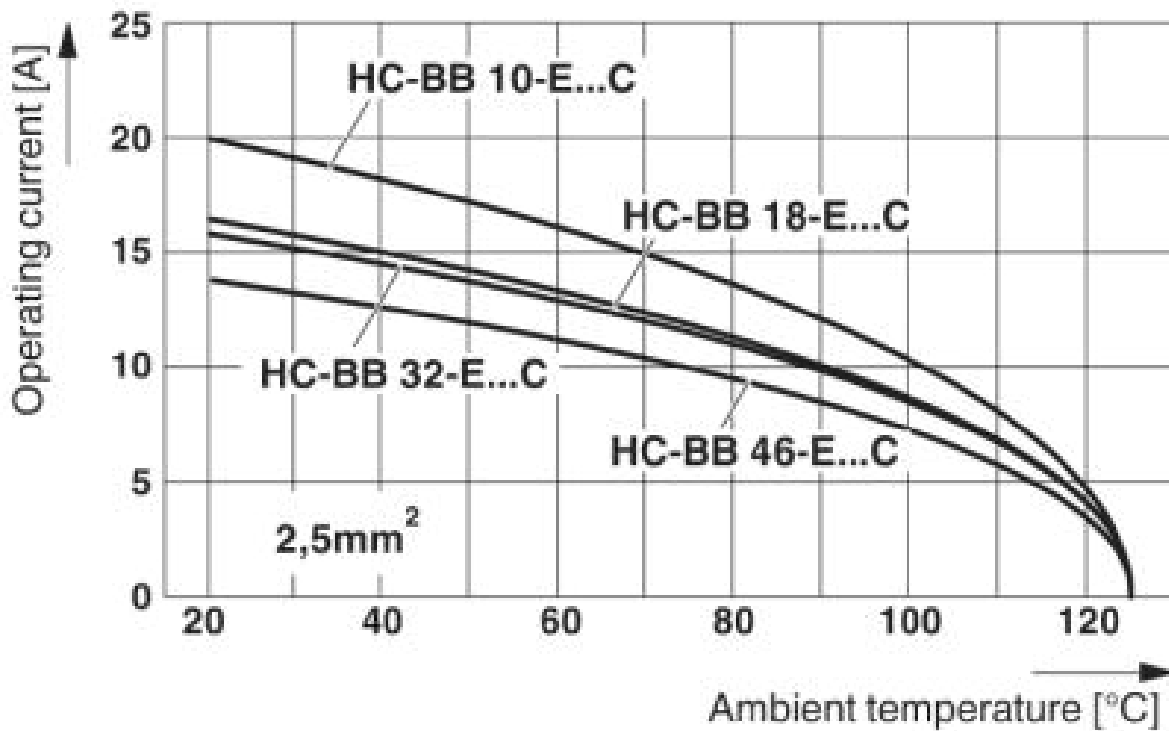
Diagram



Derating diagram: Conductor cross section 1.5 mm²

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Diagram



Derating diagram: Conductor cross section 2.5 mm²

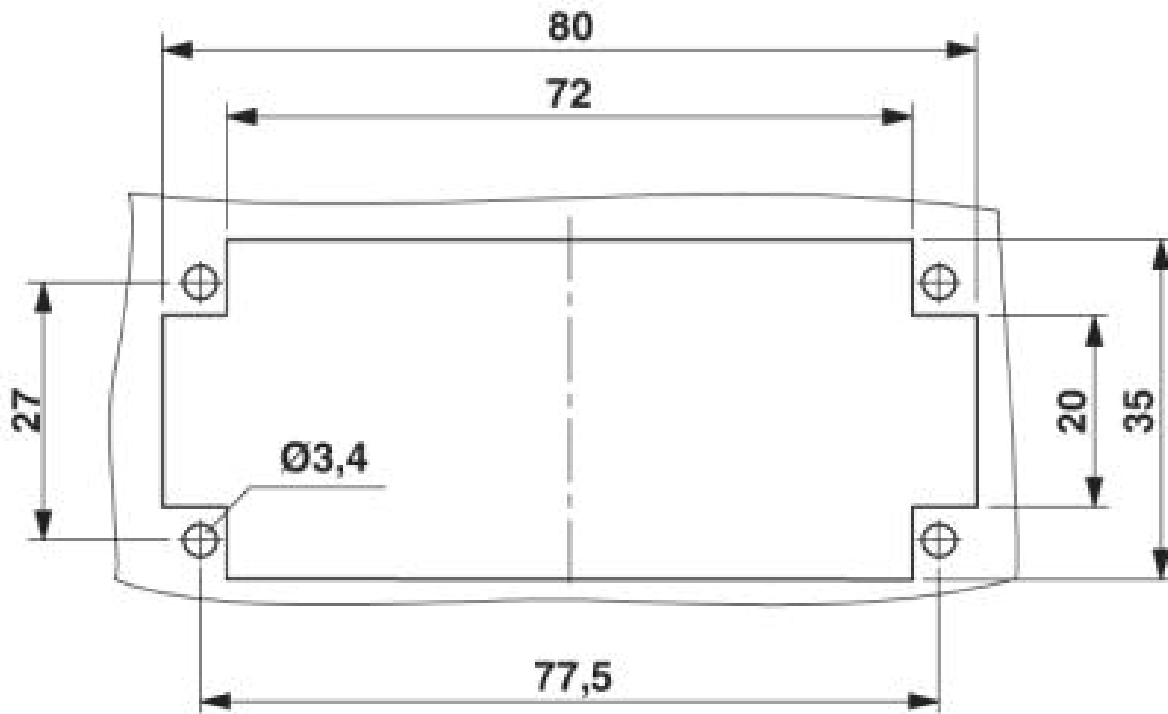
Dimensioned drawing



Male insert

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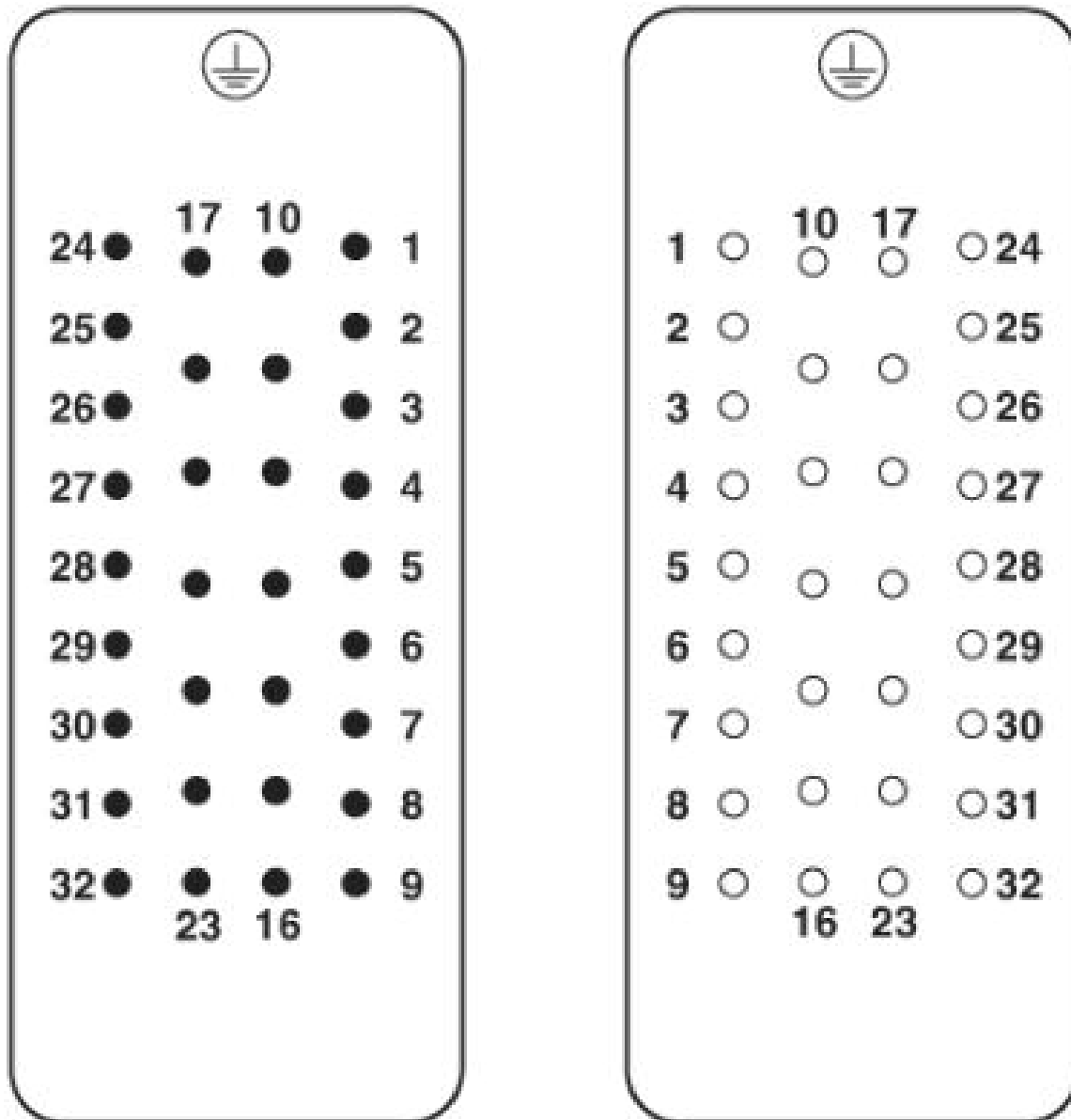
Dimensioned drawing



Panel cutout

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Schematic diagram



Connector pin assignment: Left pin - right socket

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