

# Contact insert - HC-A 10-EBUC - 1676983

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HEAVYCON female insert, A10 series, 10-pos., crimp connection

## Key commercial data

package_quantity	10
GTIN	4017918129606

## Technical data

### General

Note	For HC-D25 housing, crimp contact CK2,5-ED (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Pollution degree	3
Surge voltage category	III
Constructional and testing regulations	DIN VDE 0627/86
Constructional and testing regulations	DIN VDE 0110/02.79
Constructional and testing regulations	DIN VDE 0110-1/04.97
Constructional and testing regulations	IEC 60664-1, DIN IEC 60512
Constructional and testing regulations	IEC 60352
Number of positions	10+PE
Insertion/withdrawal cycles	≥ 500
Design	D15
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	8 mm
Assembly instructions	Connectors may be operated 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)

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## Technical data

### Material data

Contact carrier material	PA
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### Electrical characteristics

Rated voltage (III/3)	250 V
Rated surge voltage	4 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	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438


### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## approvals

CSA / UL Recognized / GOST / cUL Recognized / cULus Recognized /

### Approval details

	
Nominal voltage UN	600 V
Nominal current IN	10 A

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## approvals

mm <sup>2</sup> /AWG/kcmil	20-13
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<b>UL Recognized</b>	
Nominal voltage UN	600 V
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	

<b>GOST</b>
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<b>cUL Recognized</b>	
Nominal voltage UN	600 V
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	

<b>cULus Recognized</b>	
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## accessories

### Mounting material

HC-A-PES - 1584868



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## Coding element

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### accessories

HC-CST - 1676857



HC-CBU - 1676860



HC-CB - 1772722



### Plug assembly frame

HC-SMR-D15 - 1604010



### Assembly tool

CK2,5-EWZ - 1662722



### Crimp contact

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### accessories

CK2,5-ED-0,50BU AG - 1663640



CK2,5-ED-0,75BU AG - 1663653



CK2,5-ED-1,00BU AG - 1663666



CK2,5-ED-1,50BU AG - 1663679



CK2,5-ED-2,50BU AG - 1663682



CK2,5-ED-3,00BU AG - 1663695



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accessories

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CK2,5-ED-4,00BU AG - 1663705



CK2,5-ED-0,50BU AU - 1674859



CK2,5-ED-1,00BU AU - 1674833



CK2,5-ED-1,50BU AU - 1674820



CK2,5-ED-2,50BU AU - 1674862



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### accessories

CK2,5-ED-4,00BU AU - 1674846



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### accessories

CK2,5-ED-0,37BU AG - 1585634



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CK2,5-ED-0,37BU AU - 1585647

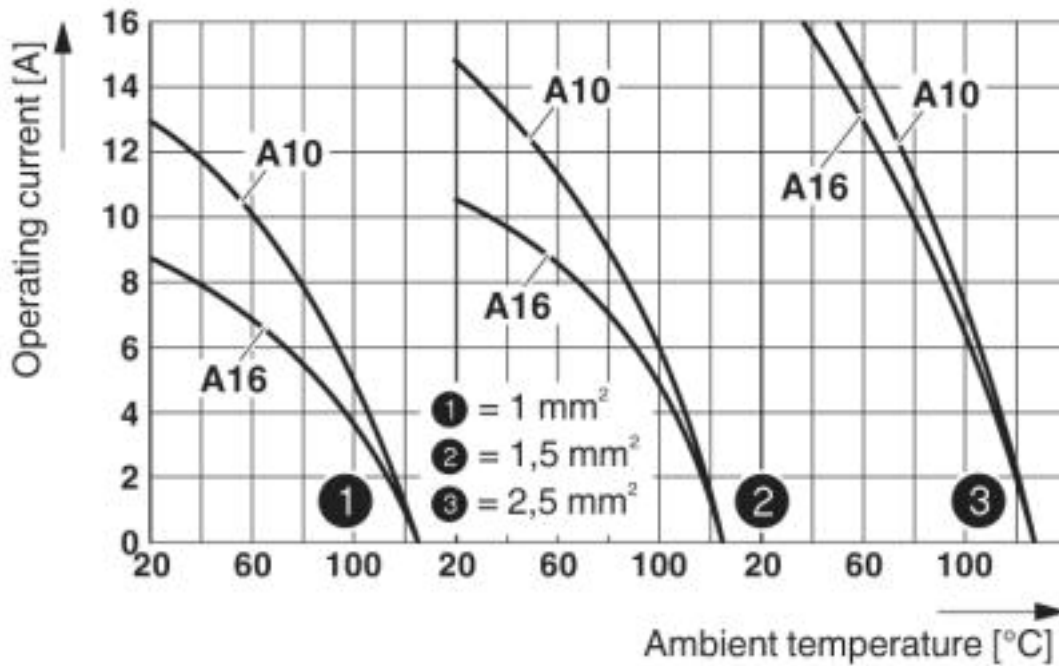


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### Drawings

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Diagram



Derating diagram: HC-A...C series

Dimensioned drawing

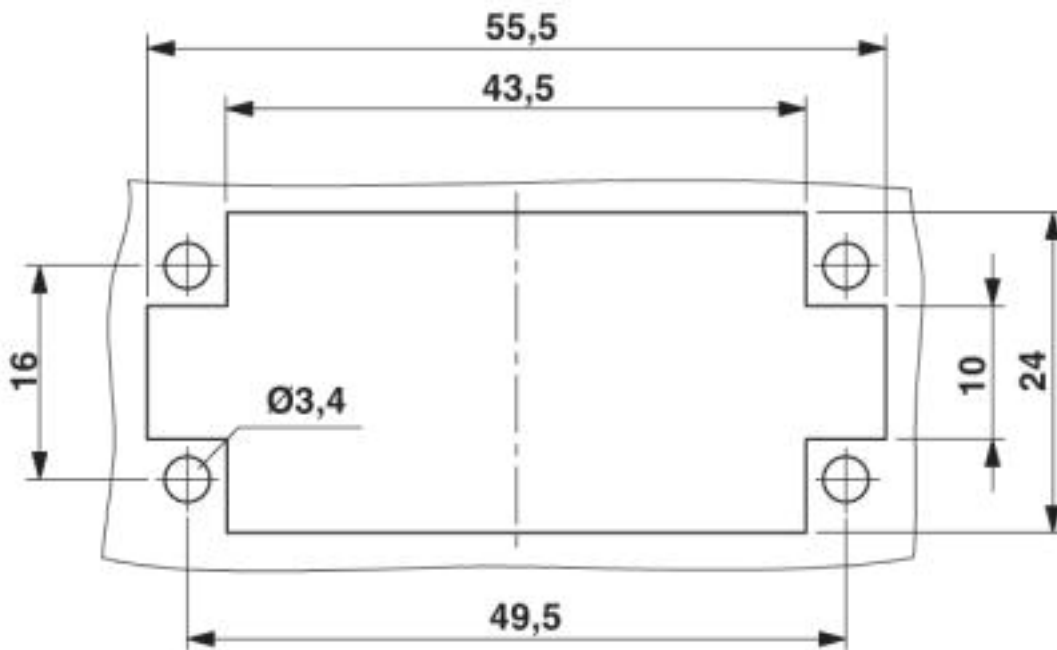


Female insert



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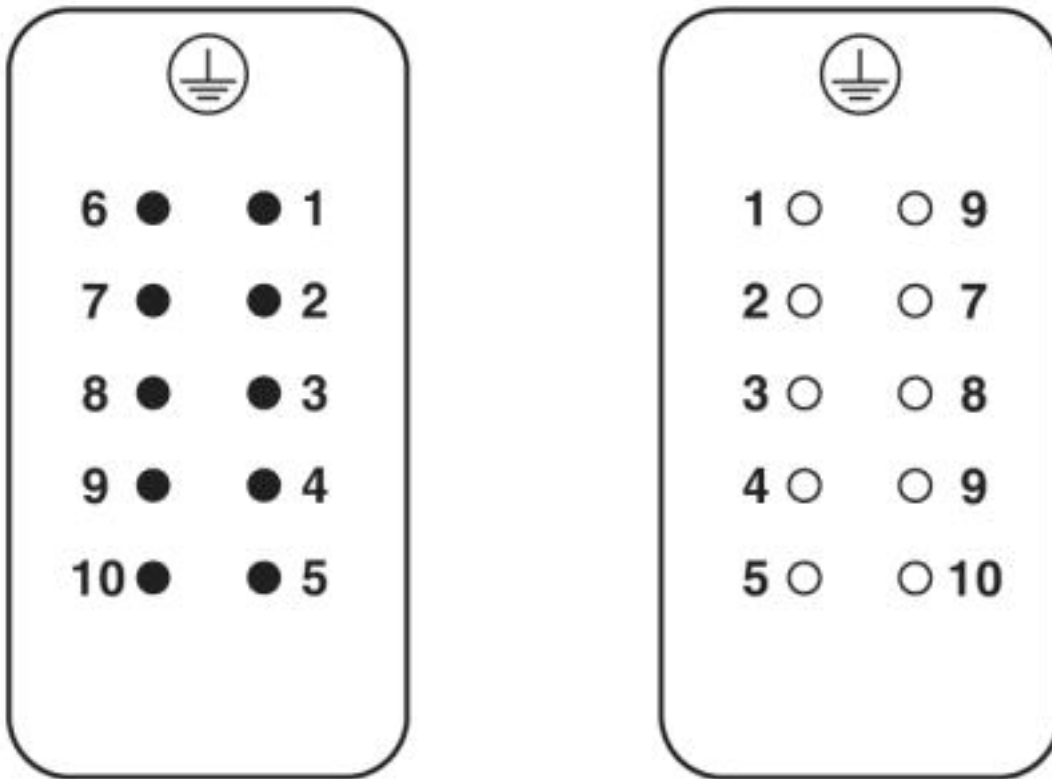
Dimensioned drawing



Panel cutout

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Schematic diagram



Connector pin assignment, connection side

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