

Contact insert - HC-A 16-EBUC-32 - 1677050


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HEAVYCON female insert, A16 series, 16-pos., crimp connection, numbering from 17 ... 32



Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 129675
Weight per Piece (excluding packing)	43.02 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

General

Note	For HC-D25 / HC-D50 housing, crimp contact CK2,5-ED (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Pollution degree	3
Overvoltage category	III
Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Number of positions	16+PE
Insertion/withdrawal cycles	≥ 500
Type	D25
Connection in acc. with standard	IEC / EN
Conductor cross section	0.14 mm ² ... 4 mm ²
Connection cross section AWG	20 ... 12

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Technical data

General

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

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PA

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	27440205

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

Approvals

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Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

CSA	
mm ² /AWG/kcmil	20-13
Nominal current I _N	10 A
Nominal voltage U _N	600 V

UL Recognized	
Nominal voltage U _N	600 V

cUL Recognized	
Nominal voltage U _N	600 V

EAC

cULus Recognized

Accessories

Accessories

Coding element

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Accessories

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

Coding bolt - HC-CB - 1772722



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

Crimp contact

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



Turned 2.5 crimp contact, individual female contact, core diameter 0.5 mm², silver-plated

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



Turned 2.5 crimp contact, individual female contact, core diameter 0.75 mm², silver-plated

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Accessories

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



Turned 2.5 crimp contact, individual female contact, core diameter 0.75 to 1.00 mm², silver-plated

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



Turned 2.5 crimp contact, individual female contact, core diameter 1.5 mm², silver-plated

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



Turned 2.5 crimp contact, individual female contact, core diameter 2.5 mm², silver-plated

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



Turned 2.5 crimp contact, individual female contact, core diameter 3.00 mm², silver-plated

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



Turned 2.5 crimp contact, individual female contact, core diameter 4.00 mm², silver-plated

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Accessories

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



Turned 2.5 crimp contact, individual female contact, core diameter 0.5 mm², gold-plated

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



Turned 2.5 crimp contact, individual female contact, core diameter 0.75 to 1.0 mm², gold-plated

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



Turned 2.5 crimp contact, individual female contact, core diameter 1.5 mm², gold-plated

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



Turned 2.5 crimp contact, individual female contact, core diameter 2.5 mm², gold-plated

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



Turned 2.5 crimp contact, individual female contact, core diameter 4.00 mm², gold-plated

Mounting material

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Accessories

Screw - HC-A-PES - 1584868



PE screw for contact inserts of A series

Plug assembly frame

Connector assembly frame - HC-SMR-D25 - 1604023



HEAVYCON connector assembly frame, for contact inserts of type D25

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



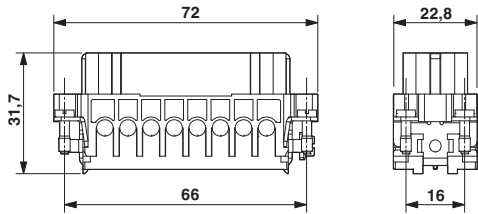
CK2,5-ED-0,37BU AU - 1585647



Drawings

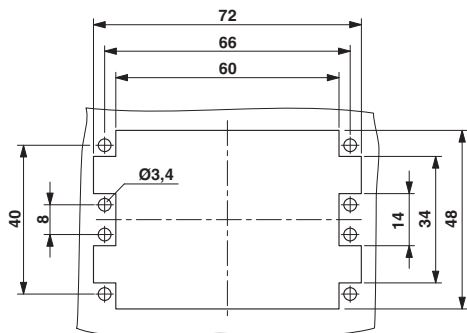
Contact insert - HC-A 16-EBUC-32 - 1677050

Dimensional drawing



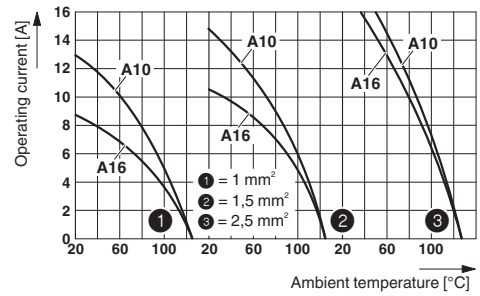
Female insert

Dimensional drawing



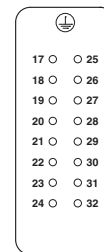
Panel cutout

Diagram



Derating diagram: HC-A...C series

Schematic diagram



Connector pin assignment, connection side