

HC-A 10-ESTC - Contact insert

1676996

<https://www.phoenixcontact.com/no/products/1676996>



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



Commercial data

Item number	1676996
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	31BBF
Product key	BF7ABB
Catalog page	Page 519 (C-2-2019)
GTIN	4017918129613
Weight per piece (including packing)	39.96 g
Weight per piece (excluding packing)	36.35 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	for flexible conductors with or without ferrules
General	Connectors may be operated only when there is no load/voltage.
General	For HEAVYCON housing of type D15

Mounting

Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
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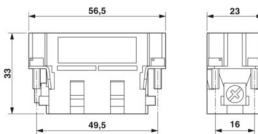
Product properties

Type	D15
Product type	Contact insert with a fixed no. of positions
Number of positions	10
Connection profile	10+PE
Contact numbering	1 - 10
Number of connections per position	1
Contact material type	turned
Series	HC-A

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	23 mm
Height	33 mm
Length	56.5 mm
Drill hole distance, horizontal	49.5 mm
Drill hole distance, vertical	16 mm

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

Connection technology

Connection technology	Crimp connection
Number of connections per position	1

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Connection in acc. with standard	IEC / EN
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Conductor connection

Conductor cross section	0.5 mm ² ... 4 mm ²
Connection cross section AWG	20 ... 12
Tightening torque	0.7 Nm ... 1 Nm (PE connection) 0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Stripping length of the individual wire	8 mm

Electrical properties

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV
Rated current	16 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

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

Environmental and real-life conditions

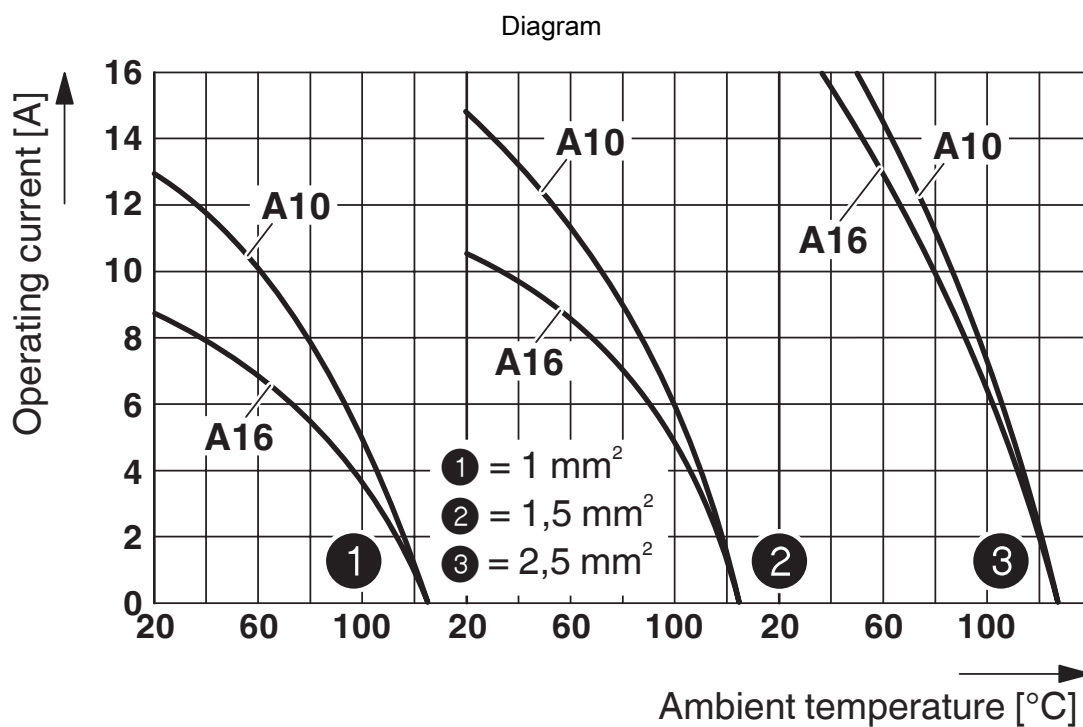
Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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Standards and regulations

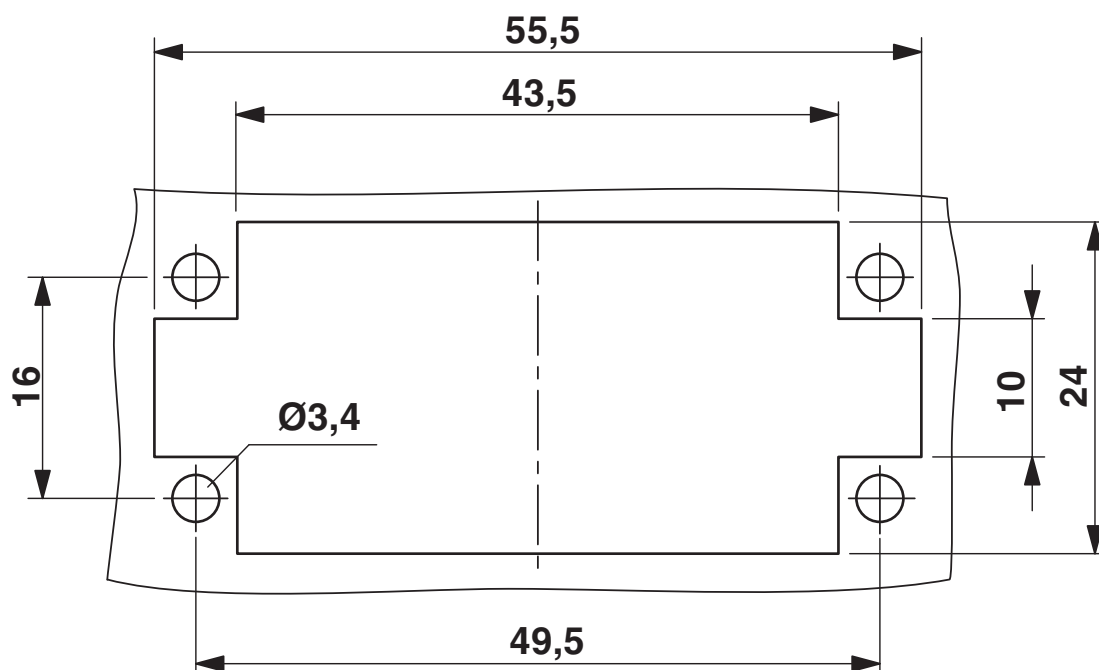
Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Tests	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352

Drawings



Derating diagram: HC-A...C series

Dimensional drawing



Mounting cutout when used without housing

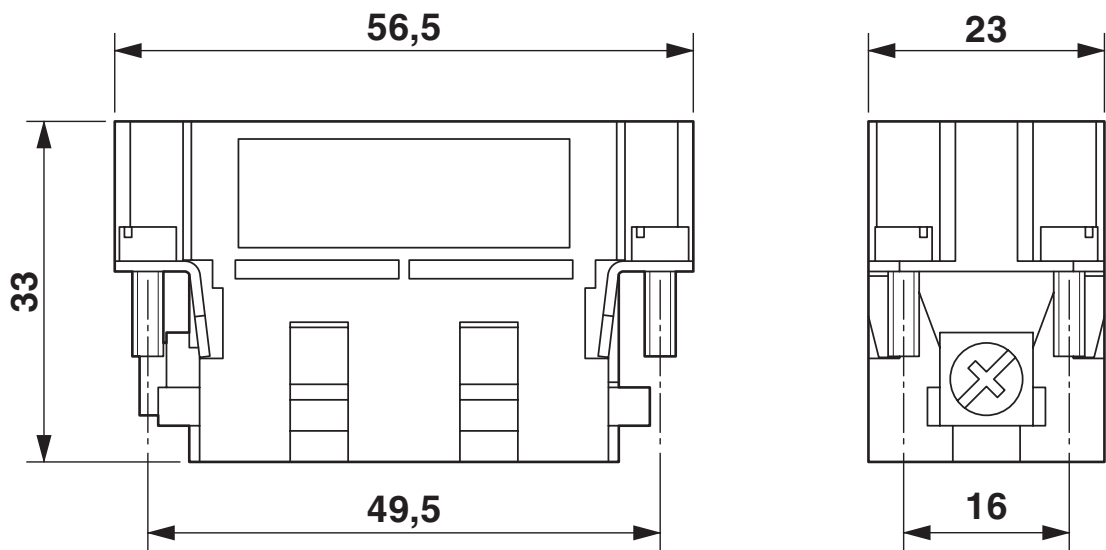
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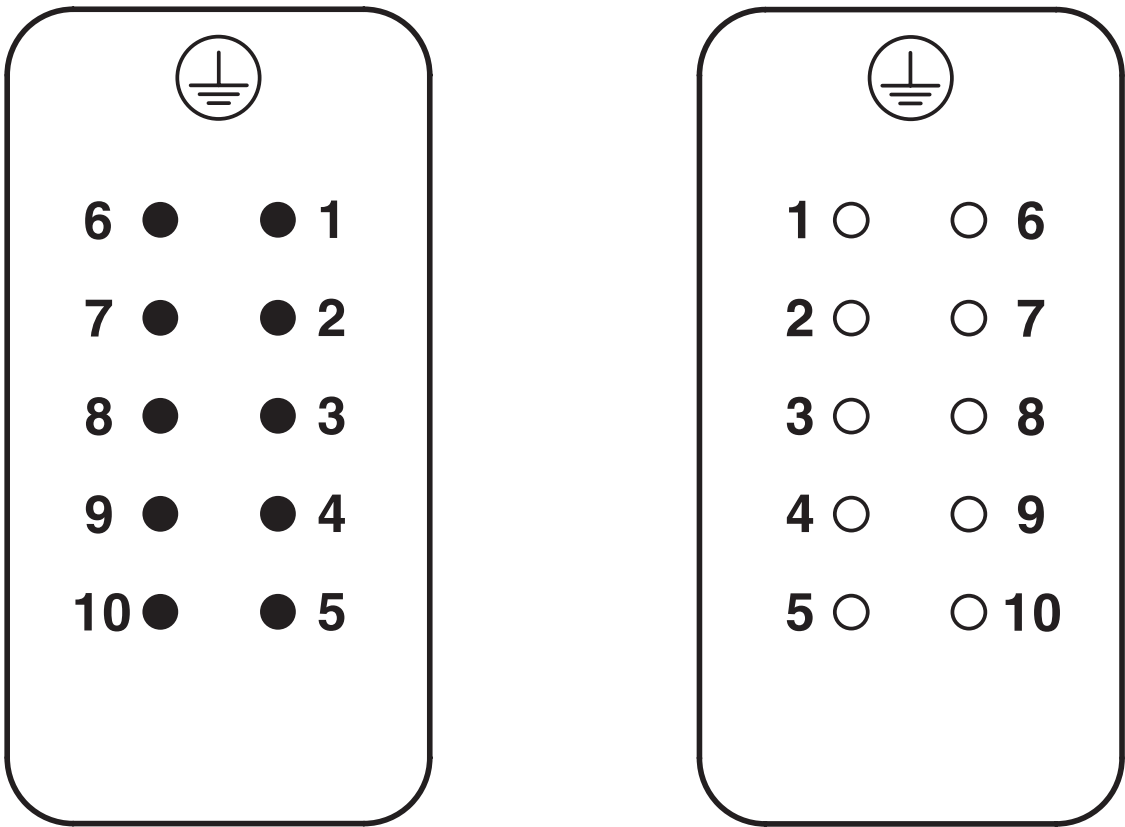
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Dimensional drawing



Male insert

Schematic diagram



Connector pin assignment, connection side

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Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-13.0	27440205

ETIM

ETIM 8.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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