

1645969

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HEAVYCON contact insert module, male, 3-pos., for crimp connection, without crimp contacts

Commercial data

Item number	1645969
Packing unit	2 pc
Minimum order quantity	200 pc
Product key	BF7ACB
Catalog page	Page 555 (C-4-2015)
GTIN	4017918941918
Weight per piece (including packing)	15.02 g
Weight per piece (excluding packing)	14.8 g
Customs tariff number	85366990
Country of origin	DE

HC-M-03-MOD-STC - Contact insert module



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Technical data

Notes

General	For HEAVYCON housing type B6 ... B48, HC-M-MHR... hinged retaining frame and CK4,0... crimp contacts required. Crimp contacts not supplied as standard.
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Mounting

Assembly note	Housing height ≥ 52 mm. Plug-in connections may only be operated only when there is no load/voltage. The UNIFOX RT-CK 4.0 tool (Item No. 1072064) is required for removing the crimp contacts. At every "C" contact chamber, the position of the contact retaining springs is marked with two black markings on the connection side. From the connection side, the tool is pushed over the contact in a position-oriented manner, so that it touches both the retaining springs. Then insert it up to the limit stop. Do not turn the inserted tool. Push the conductor out of the insulating body along with the tool from the connection side.
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Product properties

Product type	Modular contact insert
Series	HC-M-03
Application	Power
Number of positions	3
Note number of positions	3
Connection profile	3
Contact numbering	1 - 3
Number of module slots	1
Contact material type	turned

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology

Connection technology	Crimp connection
Connection in acc. with standard	IEC / EN

Conductor connection

Conductor cross section	1.5 mm ² ... 10 mm ²
Connection cross section AWG	16 ... 8
Stripping length of the individual wire	9 mm (for 1.5 ... 2.5 mm ²) 9.6 mm (4 ... 6 mm ²)

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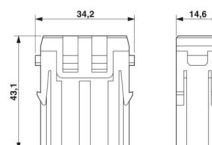
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15 mm (10 mm ²)
15 mm (for conductor $\geq$ 5 mm in diameter)
18 mm (for conductor $\geq$ 6.4 mm in diameter)

Dimensions

Dimensional drawing



Width	34.2 mm
Height	43.1 mm
Length	14.6 mm

Mechanical characteristics

Minimum housing height	52 mm
Contact diameter	4 mm

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	40 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	$\geq$ 500
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Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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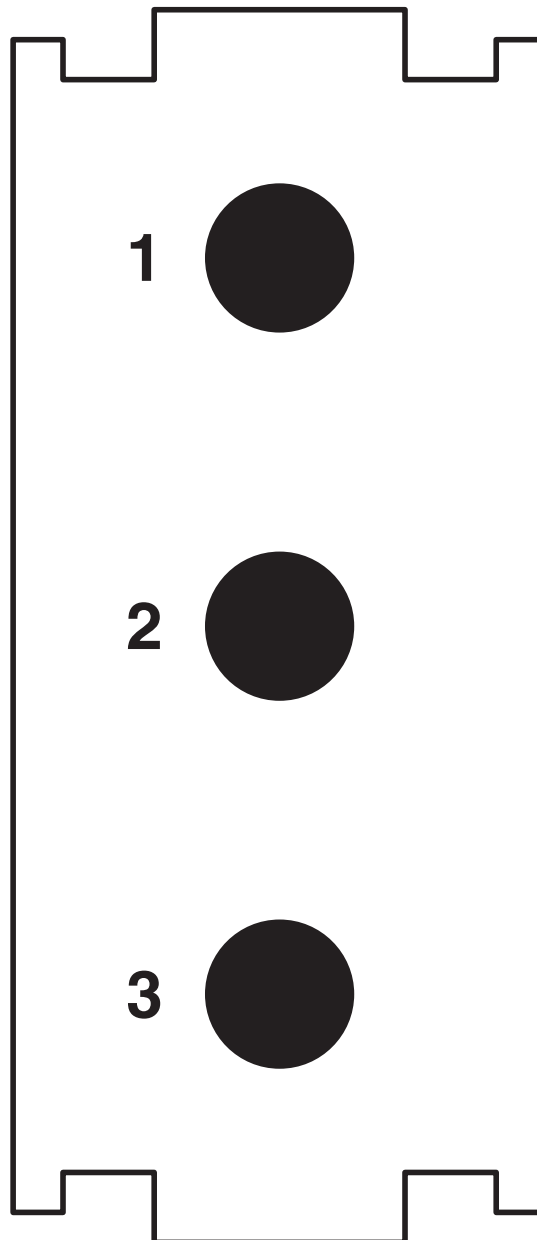
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Drawings

Schematic diagram



Connector pin assignment

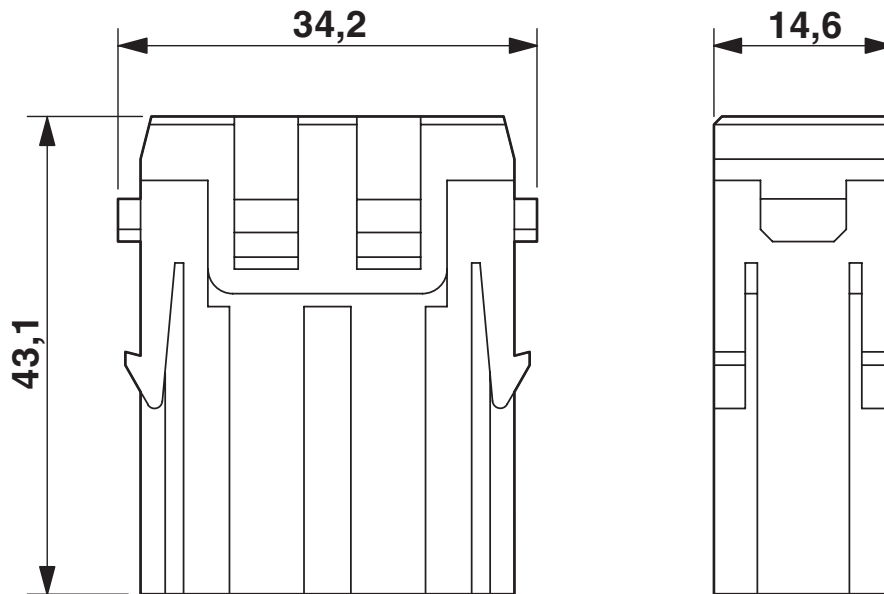
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Dimensional drawing



Male insert

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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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