

Contact insert module - HC-M-03-MOD-BUC - 1645972


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

RoHS

Key Commercial Data

Packing unit	2 pc
Minimum order quantity	2 pc
GTIN	 4 017918 941901
GTIN	4017918941901

Technical data

Dimensions

Height	44.7 mm
Width	34.2 mm
Length	14.6 mm

Electrical characteristics

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

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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Mechanical characteristics

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 mm ² ... 6 mm ²)

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Technical data

Mechanical characteristics

	15 mm (10 mm ²)
	15 mm (for conductor \geq 5 mm in diameter)
	18 mm (for conductor \geq 6.4 mm in diameter)
External cable diameter	7.5 mm
Contact diameter	4 mm
Wire diameter including insulation	7.5 mm
Insertion/withdrawal cycles	\geq 500
Minimum housing height	52 mm

General

Note	For HEAVYCON housing type B6 ... B48, HC-M-MHR... hinged retaining frame and CK4,0... crimp contacts required. Crimp contacts not supplied as standard.
Series	HC-M-03
Number of module slots	1
Connection method	Crimp connection
Connection in acc. with standard	IEC / EN
Contact type	turned
Flammability rating according to UL 94	V0
Degree of pollution	3
Overvoltage category	III
Assembly instructions	Housing height \geq 52 mm. Plug-in connections may only be operated only when there is no load/voltage.
Connection	The CK4,0-EWZ tool (order no. 1662735) 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.

Material data

Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

Standards and Regulations

Connection in acc. with standard	UL
Flammability rating according to UL 94	V0

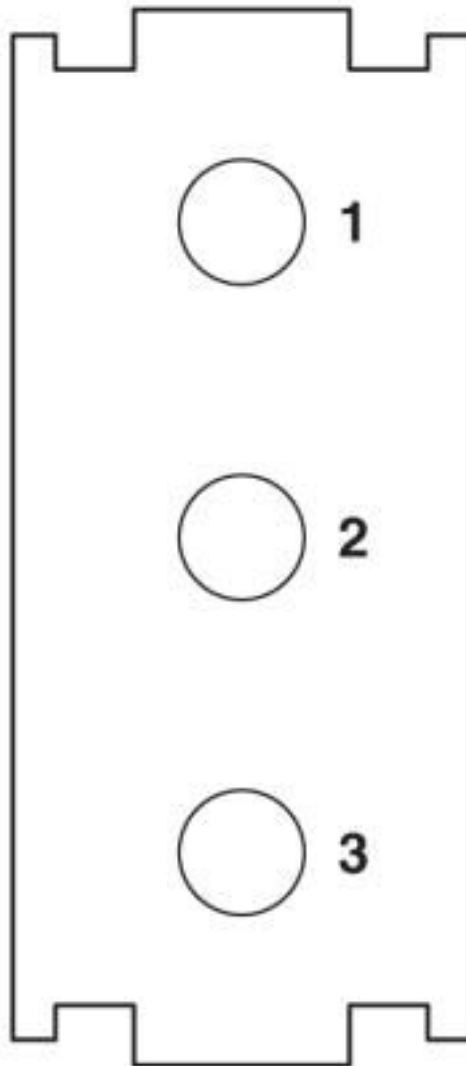
Environmental Product Compliance

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

Contact insert module - HC-M-03-MOD-BUC - 1645972

Drawings

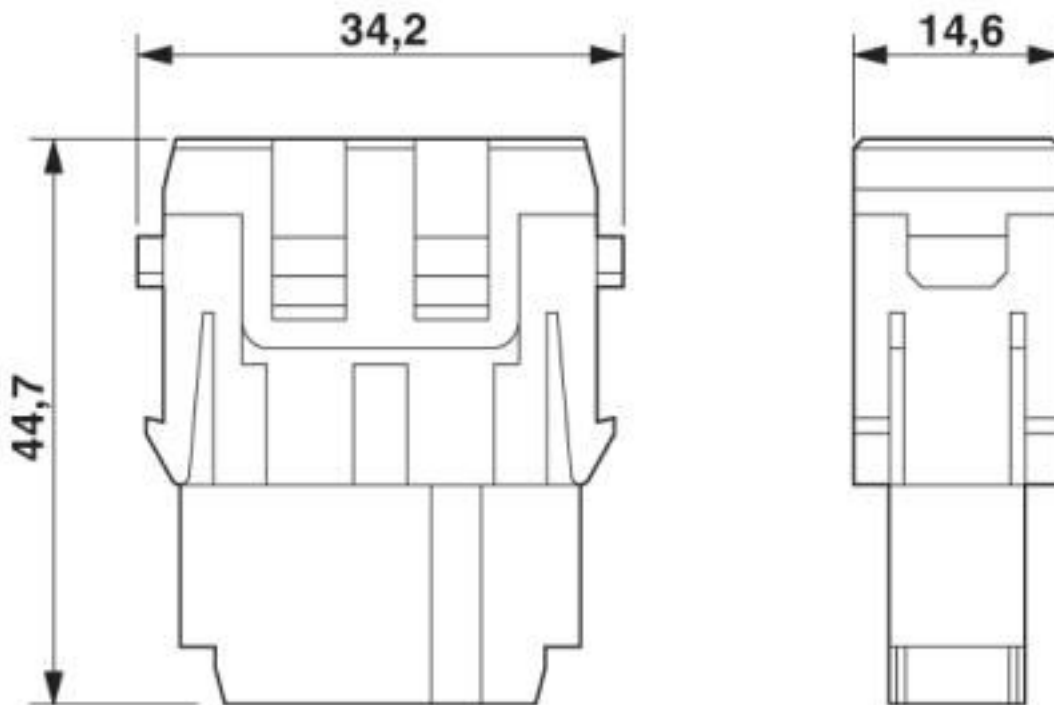
Schematic diagram



Connector pin assignment

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Dimensional drawing



Female insert

Classifications

eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 8.0	27440205
eCl@ss 9.0	27440217

ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438
ETIM 6.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522

Contact insert module - HC-M-03-MOD-BUC - 1645972

Classifications

UNSPSC

UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522
UNSPSC 19.0	39121522

Accessories

Accessories

Crimp contact

Crimp contact - CK4,0-ED-1,50BU AG - 1663271



Turned 4.0 crimp contact, individual female contact, core diameter 1.50 mm², silver-plated

Crimp contact - CK4,0-ED-2,50BU AG - 1663284



Turned 4.0 crimp contact, individual female contact, core diameter 2.50 mm², silver-plated

Crimp contact - CK4,0-ED-4,00BU AG - 1663297



Turned 4.0 crimp contact, individual female contact, core diameter 4.00 mm², silver-plated

Crimp contact - CK4,0-ED-6,00BU AG - 1663307



Turned 4.0 crimp contact, individual female contact, core diameter 6.00 mm², silver-plated

Contact insert module - HC-M-03-MOD-BUC - 1645972

Accessories

Crimp contact - CK4,0-ED-10,00BU AG - 1586183



Turned 4.0 crimp contact, single socket contact, 10 mm² conductor cross section, silver-plated

Crimping tool

Crimping pliers - CRIMPFOX-TC 4 - 1212113



Crimping pliers, for CK 1,6-ED..., CK 2,5-ED..., CK 4,0-ED... turned contacts, 4 marked die stations, unlockable pressure lock, lateral entry, incl. positioning tool

Crimping pliers - CRIMPFOX-TC 10 - 1212114



Crimping pliers, for turned contacts with a pin diameter of 4.0 mm, two marked die stations, pressure lock can be released, lateral entry, incl. positioning help

Universal tools

Contact removal tool - UNIFOX RT-CK 4.0 - 1072064



Contact removal tool, for rotated CK-4,0-... contacts

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