

## Contact insert module - HC-M-EMV-ST/3-9,5 - 1636088


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HEAVYCON EMC connector, pin version, 4-pos., for connecting shielded conductors with 3 - 9.5 mm external conductor diameter. For use in the HC-M-EMV-MOD-ST plastic module



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 962920
Weight per Piece (excluding packing)	29.2 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Electrical characteristics

Note	The potential of the EMC connector housing is isolated from the potential of the heavy connector.
	For CK 1,6...ED... crimp contacts (note in scope of delivery)
	Clamps for the clamping range of 3 mm - 6 mm and 6 mm - 9.5 mm
Rated voltage (III/3)	50 V
Rated current	10 A
Rated surge voltage	0.8 kV
Number of positions	4

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
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#### Mechanical characteristics

Conductor cross section	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm (6 mm (for 2.5 mm <sup>2</sup> ))
External cable diameter	3 mm ... 9.5 mm
Wire diameter including insulation	2.4 mm

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## Technical data

### Mechanical characteristics

Insertion/withdrawal cycles	≥ 500
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### General

Series	HC-M-EMV
Connection method	Crimp connection
Inflammability class according to UL 94	V0
Pollution degree	3
Surge voltage category	III
Assembly instructions	Housing height ≥ 72 mm. Plug-in connections may only be operated only when there is no load/voltage.
Connection	For use in HC-M-EMV-MOD-ST plastic module, usable CK1,6-ED-... crimp contacts

### Material data

Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440207

### ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Contact insert module - HC-M-EMV-ST/3-9,5 - 1636088

### Approvals

#### Approvals


#### Approvals


cUL Recognized / UL Recognized / EAC / cULus Recognized

#### Ex Approvals


#### Approvals submitted

#### Approval details

cUL Recognized 	
mm²/AWG/kcmil	16
Nominal current I <sub>N</sub>	9 A
Nominal voltage U <sub>N</sub>	42 V

UL Recognized 	
mm²/AWG/kcmil	16
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	42 V

EAC
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cULus Recognized 
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### Accessories

#### Accessories

#### Assembly tool

## Contact insert module - HC-M-EMV-ST/3-9,5 - 1636088

### Accessories

Contact removal tool - VC-EW 1,6 - 1884869



Contact removal tool, for turned and rolled CK- 1.6-... contacts

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### Crimp contact

Crimp contact - CK1,6-ED-0,37ST AG - 1663336



Turned 1.6 crimp contact, individual male contact, core diameter 0.14 to 0.37 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-0,50ST AG - 1663349



Turned 1.6 crimp contact, individual male contact, core diameter 0.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-0,75ST AG - 1663352



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-1,00ST AG - 1663365



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 to 1.00 mm<sup>2</sup>, silver-plated

## Contact insert module - HC-M-EMV-ST/3-9,5 - 1636088

### Accessories

Crimp contact - CK1,6-ED-1,50ST AG - 1663378



Turned 1.6 crimp contact, individual male contact, core diameter 1.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-2,50ST AG - 1663381



Turned 1.6 crimp contact, individual male contact, core diameter 2.5 mm<sup>2</sup>, silver-plated

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Crimp contact - CK1,6-ED-0,37ST AU - 1674901



Turned 1.6 crimp contact, individual male contact, core diameter 0.14 to 0.37 mm<sup>2</sup>, gold-plated

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Crimp contact - CK1,6-ED-0,50ST AU - 1672453



Turned 1.6 crimp contact, individual male contact, core diameter 0.5 mm<sup>2</sup>, gold-plated

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Crimp contact - CK1,6-ED-0,75ST AU - 1674914



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 mm<sup>2</sup>, gold-plated

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## Contact insert module - HC-M-EMV-ST/3-9,5 - 1636088

### Accessories

Crimp contact - CK1,6-ED-1,00ST AU - 1674888



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 to 1.00 mm², gold-plated

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Crimp contact - CK1,6-ED-1,50ST AU - 1674875



Turned 1.6 crimp contact, individual male contact, core diameter 1.5 mm², gold-plated

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Crimp contact - CK1,6-ED-2,50ST AU - 1674927



Turned 1.6 crimp contact, individual male contact, core diameter 2.5 mm², gold-plated

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### EMC insert, modular

Contact insert module - HC-M-EMV-MOD-ST - 1678567



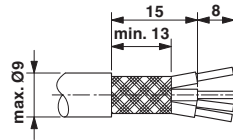
HEAVYCON series M EMC contact insert module, for using two HC-M-EMV-ST/3-9.5 EMC connectors (pin version, each 4-pos.)

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### Drawings

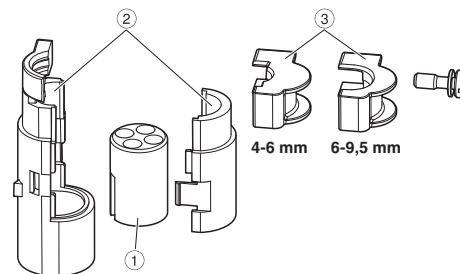
## Contact insert module - HC-M-EMV-ST/3-9,5 - 1636088

Dimensioned drawing



Stripping specifications

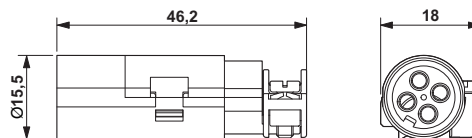
Functional drawing



### Assembly instructions:

Strip off the cable as shown. Pull the braided shield over the cable sheath and fasten using the shrink sleeve. Mount the contact carrier in the EMC connector and position the metal half-shells. Crimp the wires using crimp contacts and snap in the contacts into the contact carrier (ensure correct position assignment). Mount the clamp and snap the EMC connector into the EMC module. Finally, place the module into the hinged retaining frame.

Dimensioned drawing



Male insert