

## HC-M-EMV-ST/3-9,5

Order No.: 1636088

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1636088>

HEAVYCON EMC connector, male insert, 4-pos., to connect shielded conductors with 4-9 mm external conductor diameter

### Commercial data

EAN	4017918962920
Pack	1 pcs.
Customs tariff	85369010
Weight/Piece	0.0292 KG
Catalog page information	Page 460 (PC-2009)

### Product notes

WEEE/RoHS-compliant since:  
09/03/2007



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### Technical data

#### Electrical characteristics

Note	The potential of the EMC plug connector housing is isolated from the potential of the heavy plug connector.
	For CK 1,6...ED... crimp contacts (note in scope of delivery)
	Clamps for the clamping range of 4 mm - 6 mm and 6 mm - 9 mm

Rated voltage (III/3)	50 V
Rated current	10 A
Rated surge voltage	0.8 kV
Ambient temperature (operation)	-40 °C ... 85 °C
Number of positions	4

#### 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	4 mm ... 9 mm
Wire diameter including insulation	2.4 mm
Insertion/withdrawal cycles	≥ 500

#### General characteristics

Connection method	Crimp connection
Inflammability class acc. 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.

#### Material data

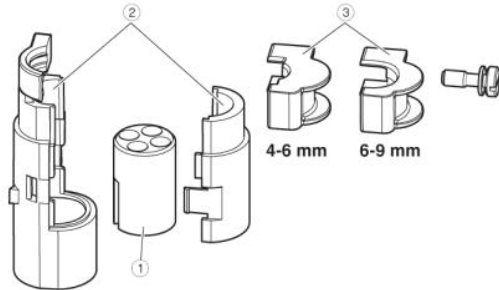
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

#### Accessories

Item	Designation	Description
<b>Contact carriers</b>		
1678567	HC-M-EMV-MOD-ST	HEAVYCON contact insert module, series M EMV (EMC), male, 2-pos., for HC-M-EMV male contacts
<b>General</b>		
1884869	VC-EW 1,6	Contact removal tool, for turned and rolled CK- 1.6-... contacts

## Drawings

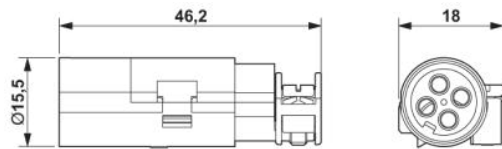
### Functional drawing



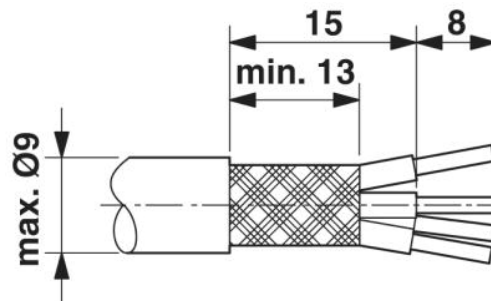
### Assembly instructions:

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



Stripping specifications

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