


HC-M-EMV-BU/3-9,5

Order No.: 1636091



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1636091>

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

Commercial data	
GTIN (EAN)	 4 017918 962913
sales group	D046
Pack	1 pcs.
Customs tariff	85369010
Catalog page information	Page 460 (PC-2009)

Product notes

WEEE/RoHS-compliant since:
08/31/2006



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

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 ² ... 2.5 mm ²
Connection cross-section AWG	26 ... 14
Stripping length of the individual wire	8 mm (6 mm (for 2.5 mm ²))
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

Certificates / Approvals



Certification

CUL, UL

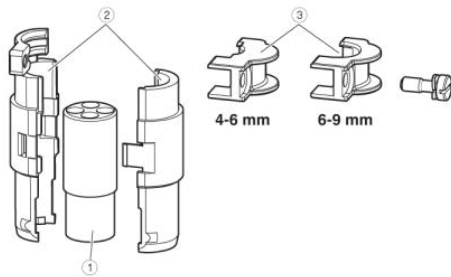
Accessories

Item	Designation	Description
Contact carriers		
1678570	HC-M-EMV-MOD-BU	HEAVYCON contact insert module, series M EMV (EMC), female, 2-pos., for HC-M-EMV male contacts

General		
1884869	VC-EW 1,6	Contact removal tool, for turned and rolled CK- 1.6-... contacts

Diagrams/Drawings

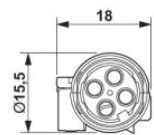
Functional drawing



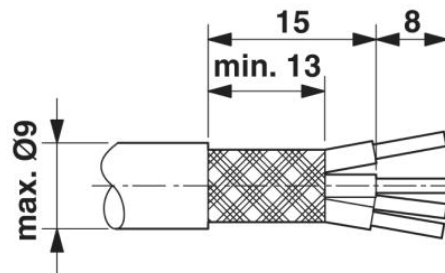
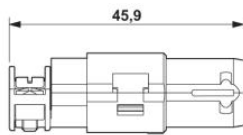
Assembly instructions:

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



Female insert



Stripping specifications

Address

PHOENIX CONTACT Deutschland GmbH
Flachmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



© 2010 Phoenix Contact
Technical modifications reserved;