

Contact insert module - HC-M-EMV-BU/3-9,5 - 1636091


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



Key commercial data

Packing unit	1 pc
GTIN	 4 017918 962913
Weight per Piece (excluding packing)	28.0 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 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	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-BU 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

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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 _N	9 A
Nominal voltage U _N	42 V

UL Recognized 	
mm²/AWG/kcmil	16
Nominal current I _N	10 A
Nominal voltage U _N	42 V

EAC

cULus Recognized 
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Accessories

Accessories

Assembly tool

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Accessories

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



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

Crimp contact

Crimp contact - CK1,6-ED-0,37BU AG - 1663394



Turned 1.6 crimp contact, individual female contact, core diameter 0.14 to 0.37 mm², silver-plated

Crimp contact - CK1,6-ED-0,50BU AG - 1663404



Turned 1.6 crimp contact, individual female contact, core diameter 0.5 mm², silver-plated

Crimp contact - CK1,6-ED-0,75BU AG - 1663417



Turned 1.6 crimp contact, individual female contact, core diameter 0.75 mm², silver-plated

Crimp contact - CK1,6-ED-1,00BU AG - 1663420



Turned 1.6 crimp contact, individual female contact, core diameter 0.75 to 1.00 mm², silver-plated

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Accessories

Crimp contact - CK1,6-ED-1,50BU AG - 1663433



Turned 1.6 crimp contact, individual female contact, core diameter 1.5 mm², silver-plated

Crimp contact - CK1,6-ED-2,50BU AG - 1663446



Turned 1.6 crimp contact, individual female contact, core diameter 2.5 mm², silver-plated

Crimp contact - CK1,6-ED-0,37BU AU - 1674969



Turned 1.6 crimp contact, individual female contact, core diameter 0.14 to 0.37 mm², gold-plated

Crimp contact - CK1,6-ED-0,50BU AU - 1674480



Turned 1.6 crimp contact, individual female contact, core diameter 0.5 mm², gold-plated

Crimp contact - CK1,6-ED-0,75BU AU - 1672440



Turned 1.6 crimp contact, individual female contact, core diameter 0.75 mm², gold-plated

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Accessories

Crimp contact - CK1,6-ED-1,00BU AU - 1674943



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

Crimp contact - CK1,6-ED-1,50BU AU - 1674930



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

Crimp contact - CK1,6-ED-2,50BU AU - 1674985



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

EMC insert, modular

Contact insert module - HC-M-EMV-MOD-BU - 1678570



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

Fiber optics contact

Female contact - CK1,6-ED-BU-POF - 1885004

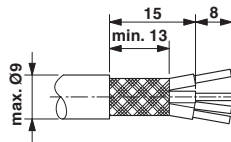


POF fiber optic socket contact, turned, for contact carriers (HC-DD...I-CT... / HC-M-12-MOD... / HC-M-17-MOD...) of CK1,6-ED... contacts

Drawings

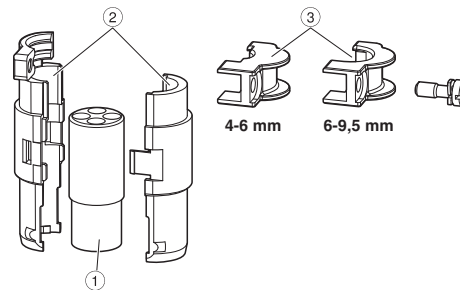
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Dimensioned drawing



Stripping specifications

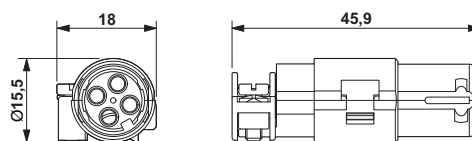
Functional drawing



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



Female insert