

Contact insert - 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

package_quantity	1
GTIN	4017918962920

Technical data

Electrical characteristics

Note	The potential of the EMC connector housing is isolated from the potential of the heavy connector.
Note	For CK 1,6...ED... crimp contacts (note in scope of delivery)
Note	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
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	4 mm ... 9 mm
Wire diameter including insulation	2.4 mm
Insertion/withdrawal cycles	≥ 500

General

Series	HC-M-EMV
Number of module slots	2
Connection method	Crimp connection
Inflammability class according to UL 94	V0
Pollution degree	3
Surge voltage category	III

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

Technical data

General

Assembly instructions	Housing height ≥ 72 mm. Plug-in connections may only be operated only when there is no load/voltage.
Connection	For use in the HC-M-EMV-MOD-ST plastic module

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	27440209

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

approvals

cUL Recognized / GOST /

Approval details

cUL Recognized 
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Contact insert - HC-M-EMV-ST/3-9,5 - 1636088

approvals



accessories

Assembly tool

VC-EW 1,6 - 1884869



EMC insert, modular

HC-M-EMV-MOD-ST - 1678567



Crimp contact

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



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



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

accessories

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



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



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



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



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



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



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

accessories

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



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



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



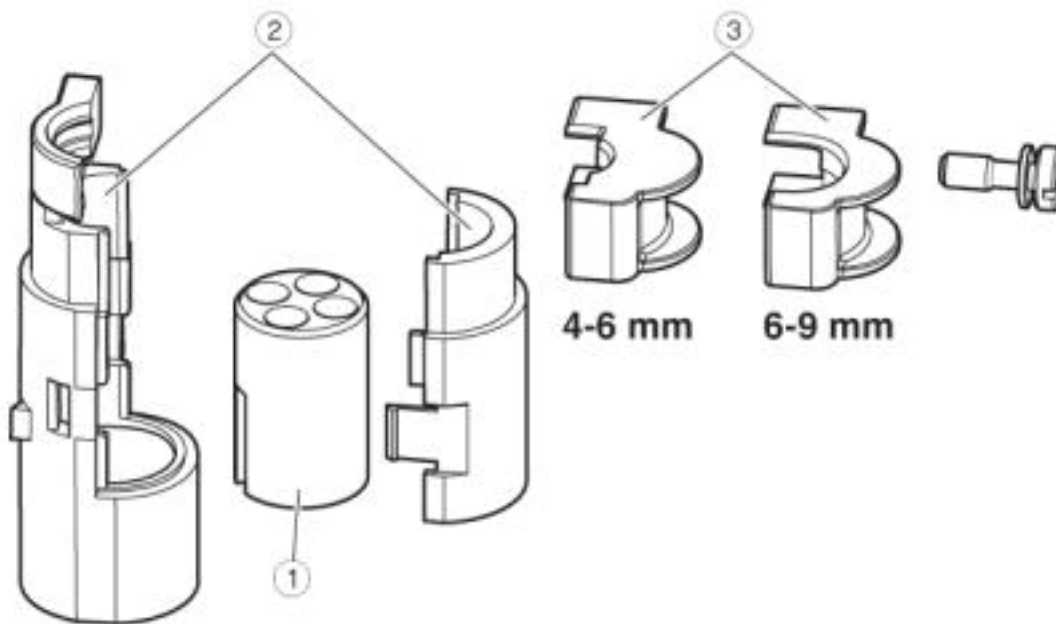
CK1,6-ED-2,50ST AU - 1674927



Drawings

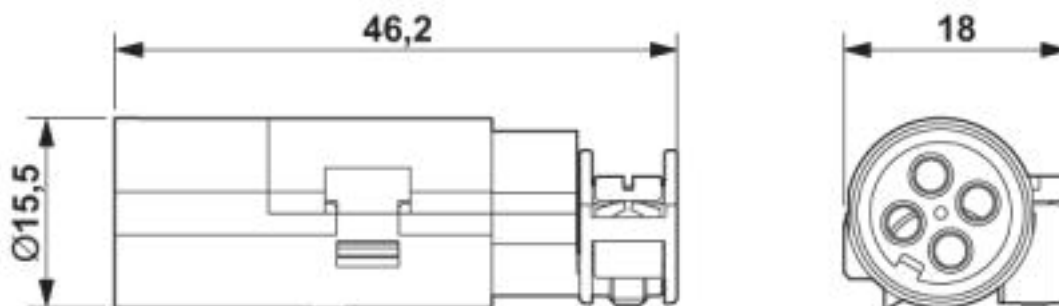
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Functional drawing



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.

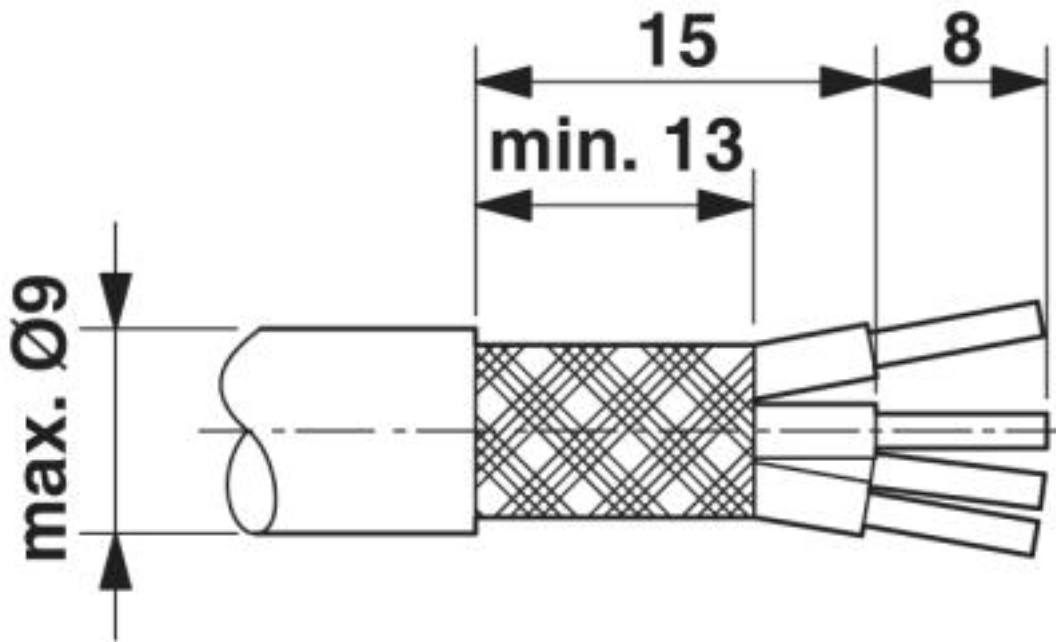
Dimensioned drawing



Male insert

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Dimensioned drawing



Stripping specifications

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