

Connector - 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-02-EMC-M plastic module



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 STK |
| GTIN |  4 017918 962920 |
| GTIN | 4017918962920 |

Technical data

Dimensions

| | |
|--------|---------|
| Height | 15.5 mm |
| Width | 18 mm |
| Length | 46 mm |

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 |
| Connection profile | 4 |

Ambient conditions

| | |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C |
|---------------------------------|------------------|

Mechanical characteristics

| | |
|------------------------------|--|
| Conductor cross section | 0.14 mm ² ... 2.5 mm ² |
| Connection cross section AWG | 26 ... 14 |

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Technical data

Mechanical characteristics

| | |
|---|--|
| Stripping length of the individual wire | 8 mm (6 mm (for 2.5 mm ²)) |
| External cable diameter | 3 mm ... 9.5 mm |
| Contact diameter | 1.6 mm |
| Wire diameter including insulation | 2.4 mm |
| Insertion/withdrawal cycles | ≥ 500 |

General

| | |
|--|---|
| Series | HC-M-EMV |
| Connection method | Crimp connection |
| Contact type | turned |
| Flammability rating according to UL 94 | V0 |
| Degree of pollution | 3 |
| Overvoltage 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 |

Standards and Regulations

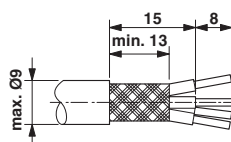
| | |
|--|-----|
| Connection in acc. with standard | CUL |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

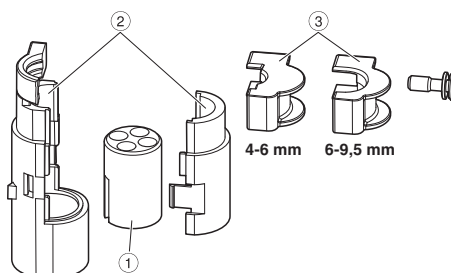
Drawings

Dimensional drawing



Stripping specifications

Functional drawing

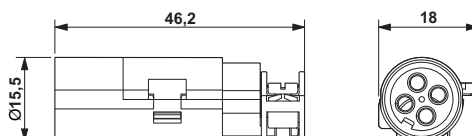


Assembly instruction:

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Strip the cable as shown. Lay the braided shield around the cable sheath, and secure with shrink sleeve. Mount the contact carrier in the EMC connector and put on the metal half-shells. Crimp the wires with crimp contacts and snap the contacts into the contact carrier (check to ensure position assignment is correct). Mount the clip and snap the EMC connector into the EMC module. Lastly, place the module in the snap-in frame.

Dimensional drawing



Male insert

Approvals

Approvals

Approvals

cUL Recognized / UL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

| | | | |
|----------------------------|------|---|---------------|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 118976 |
| Nominal voltage UN | 42 V | | |
| Nominal current IN | 9 A | | |
| mm ² /AWG/kcmil | 16 | | |

| | | | |
|----------------------------|------|---|---------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 118976 |
| Nominal voltage UN | 42 V | | |
| Nominal current IN | 10 A | | |
| mm ² /AWG/kcmil | 16 | | |

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Approvals

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.AI30.B.01102 |
|-----|---|--------------------------|

| | | |
|------------------|---|---|
| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm |
|------------------|---|---|

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