

HC-M-01-COAX-CK2,5-50-F - Connector



1066959

<https://www.phoenixcontact.com/us/products/1066959>

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Connector, number of positions: 1, power contacts: 0, control contacts: 1, Socket, Crimp connection, 48 V, 16 A, 0.5 mm² ... 4 mm², external cable diameter: 3 mm ... 9.5 mm, application: COAX, 50 Ω

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1066959 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF62 |
| Product key | AF7ACB |
| GTIN | 4055626735122 |
| Weight per piece (including packing) | 31.046 g |
| Weight per piece (excluding packing) | 31.046 g |
| Customs tariff number | 85389099 |
| Country of origin | CN |

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Technical data

Notes

| | |
|---------|---|
| General | Order crimp contacts separately |
| General | The potential of the EMC connector housing is isolated from the potential of the heavy connector. |
| General | Clamps for the clamping range of 3 mm - 6 mm and 6 mm - 9.5 mm |
| General | Can be used in Item No.: 1417376 HC-M-02-EMC-F |
| General | For 50 Ω coaxial cables |

Product properties

| | |
|-------------------------|---------------------|
| Product type | EMC insert, modular |
| Series | HC-M-EMV |
| Application | COAX |
| Number of positions | 1 |
| Connection profile | 1 |
| No. of cable outlets | 1 |
| No. of power contacts | 0 |
| No. of control contacts | 1 |
| Contact material type | turned |
| Shielded | yes |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Electrical properties

| | |
|-----------------------|--------|
| Rated voltage (III/3) | 48 V |
| Rated surge voltage | 0.8 kV |
| Rated current | 16 A |
| Wave impedance | 50 Ω |

Connection data

Connection technology

| | |
|-----------------------|------------------|
| Connection technology | Crimp connection |
|-----------------------|------------------|

Conductor connection

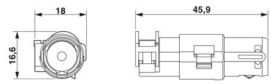
| | |
|---|---|
| Conductor cross-section | 0.5 mm ² ... 4 mm ² |
| Connection cross section AWG | 20 ... 12 |
| Stripping length of the individual wire | 8 mm (6 mm with 2.5 mm ²) |

Dimensions

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| | |
|---------------------|--|
| Dimensional drawing |  |
| Height | 15.5 mm |
| Length | 45.9 mm |

Mechanical characteristics

| | |
|------------------|--------|
| Contact diameter | 2.5 mm |
|------------------|--------|

Material specifications

| | |
|--|--------------|
| Material Line conductor | Zinc alloy |
| Flammability rating according to UL 94 | V0 |
| Contact material | Copper alloy |
| Contact surface material | Au |
| Contact carrier material | PC |

Cable/line

| | |
|---|---------------------------------------|
| External cable diameter | 3 mm ... 9.5 mm |
| Stripping length of the individual wire | 8 mm (6 mm with 2.5 mm ²) |
| Wave impedance | 50 Ω |

Mechanical properties

Mechanical data

| | |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 500 |
|-----------------------------|-------|

Environmental and real-life conditions

Ambient conditions

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

Mounting

| | |
|---------------|--|
| Assembly note | Disassemble the connector from the plastic module using the tool, order no.: 1678635 HC-M-EMV-KON-EWZ |
| | The round contact carrier can be separated in the middle for the purpose of mounting/removing the contact. |
| | Sheath stripping length: 23 mm, shield length: 13 mm, inner conductor stripping length: 8 mm |

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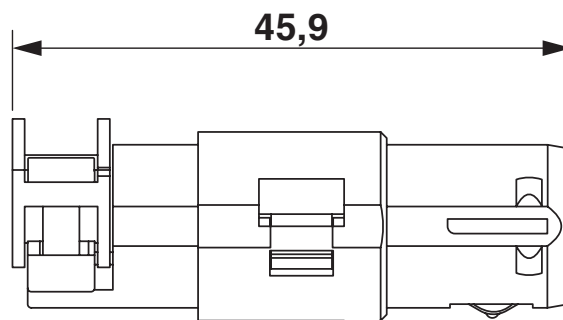
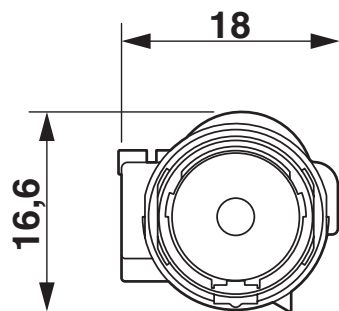


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Drawings

Dimensional drawing



Female insert

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440205 |
| ECLASS-15.0 | 27440205 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC000438 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121500 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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