

# 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 mm<sup>2</sup> ... 4 mm<sup>2</sup>, 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

### 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 $\Omega$

### Connection data

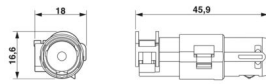
#### Connection technology

Connection technology	Crimp connection
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#### Conductor connection

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

### Dimensions

Dimensional drawing	
Height	15.5 mm
Length	45.9 mm

### Mechanical characteristics

Contact diameter	2.5 mm
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## 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 <sup>2</sup> )
Wave impedance	50 Ω

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 500
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## Environmental and real-life conditions

### Ambient conditions

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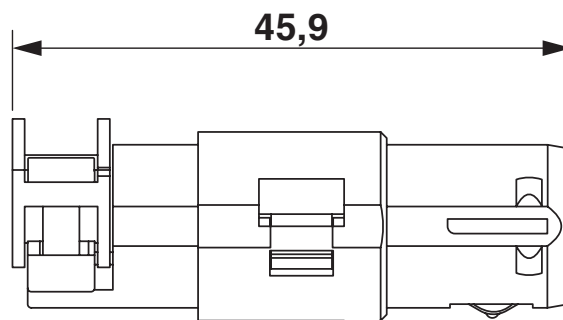
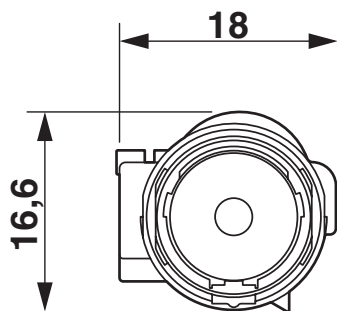


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## Drawings

Dimensional drawing



Female insert

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## Classifications

### ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

### ETIM

ETIM 10.0	EC000438
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### UNSPSC

UNSPSC 21.0	39121500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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