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

1066959

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Connector, number of positions: 1, power contacts: 0, control contacts: 1, Socket, Crimp connection, 48 V, 16 A, 0.5 mm^2 ... 4 mm^2, 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

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

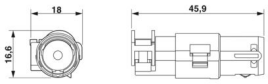
Connection technology

Connection technology	Crimp connection

Conductor connection

Conductor cross section	0.5 mm² ... 4 mm²
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	8 mm (6 mm with 2.5 mm²)

Dimensions

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 mm²)
Wave impedance	50 Ω

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500

Environmental and real-life conditions

Ambient conditions

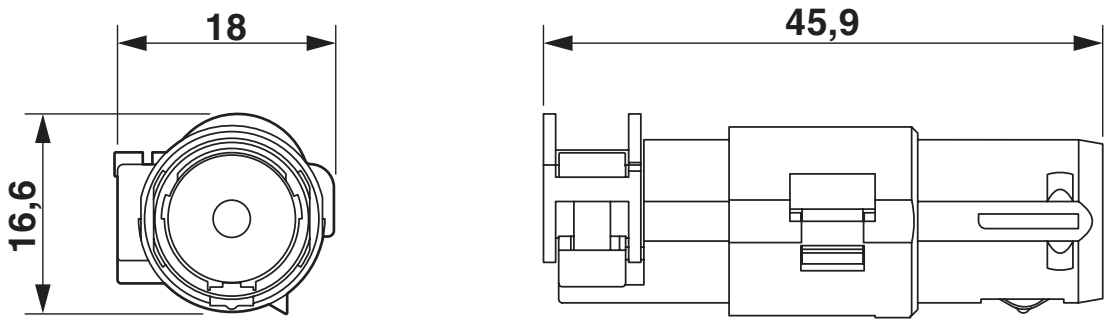
Ambient temperature (operation)	-40 °C ... 85 °C

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

Drawings

Dimensional drawing



Female insert

Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

ETIM

ETIM 9.0	EC000438

UNSPSC

UNSPSC 21.0	39121500

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%

Phoenix Contact 2025 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com