HC-M-08-EMC-DSUB-F - Connector

1066080

https://www.phoenixcontact.com/us/products/1066080

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Connector, number of positions: 8, power contacts: 0, control contacts: 8, Socket, Crimp connection, 48 V, 5 A, 0.09 mm^2 ... 0.52 mm^2, external cable diameter:3 mm ... 9.5 mm, application: Data/signal

Commercial data

Item number	1066080
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF62
Product key	AF7ACB
GTIN	4055626727981
Weight per piece (including packing)	30.76 g
Weight per piece (excluding packing)	31.343 g
Customs tariff number	85389099
Country of origin	CN

Technical data

Notes

General	Order crimp contacts CUC-DSC-J1BAU-S/DSC... 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

Product properties

Product type	EMC insert, modular
Series	HC-M-EMV
Application	Data/signal
Number of positions	8
Connection profile	8
Contact numbering	1 - 8
No. of cable outlets	1
No. of power contacts	0
No. of control contacts	8
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	5 A
Transmission characteristics (category)	CAT5e

Connection data

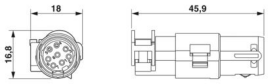
Connection technology

Connection technology	Crimp connection

Conductor connection

Conductor cross-section	0.09 mm² ... 0.52 mm²
Connection cross section AWG	28 ... 20

Dimensions

Dimensional drawing	
Height	15.5 mm
Length	45.9 mm

Mechanical characteristics

Contact diameter	1 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

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500

Environmental and real-life conditions

Ambient conditions

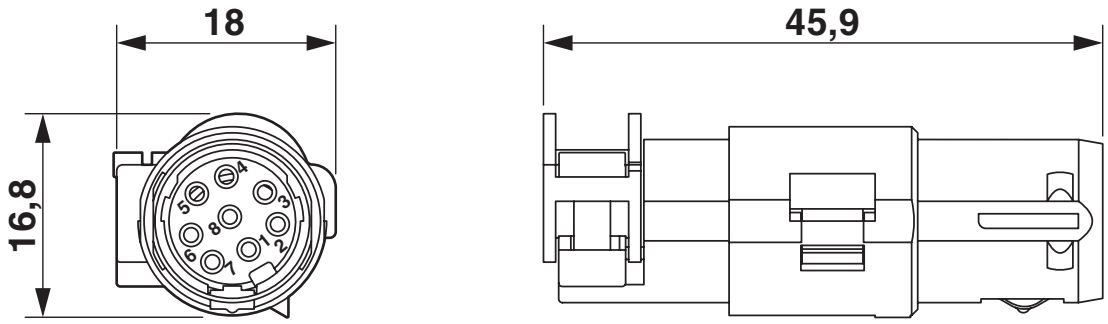
Ambient temperature (operation)	-40 °C ... 85 °C

Mounting

Assembly note	The round contact carrier can be separated in the middle for the purpose of assembling/disassembling contacts. Disassemble the connector from the plastic module using the tool, order no.: 1678635 HC-M-EMV-KON-EWZ

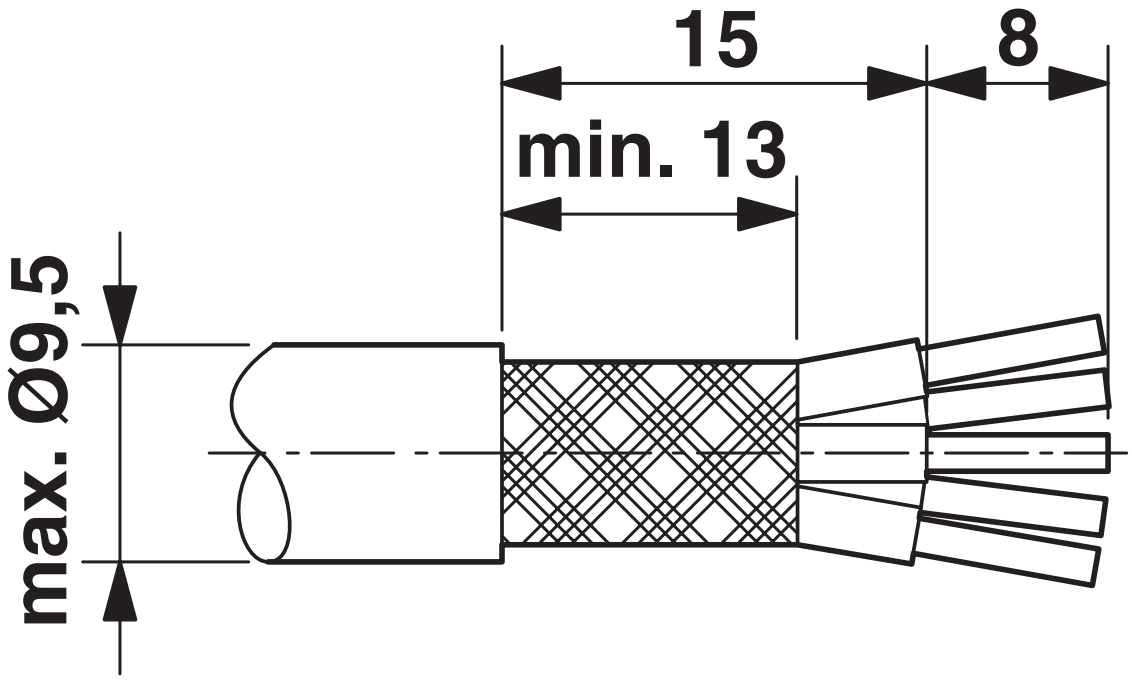
Drawings

Dimensional drawing



Female insert

Dimensional drawing



Stripping specifications

Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

ETIM

ETIM 10.0	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%

EF3.1 Climate Change

CO2e kg	5.773 kg CO2e

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