

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 mm² ... 0.52 mm², 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	BF7ACB
Catalog page	Page 583 (C-2-2019)
GTIN	4055626727981
Weight per piece (including packing)	32.9 g
Weight per piece (excluding packing)	31.343 g
Customs tariff number	85389099
Country of origin	CN

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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
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Conductor connection

Conductor cross section	0.09 mm ² ... 0.52 mm ²
Connection cross section AWG	28 ... 20

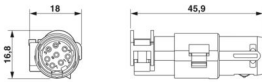
Dimensions

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Dimensional drawing	
Height	15.5 mm
Length	45.9 mm

Mechanical characteristics

Contact diameter	1 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
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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	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
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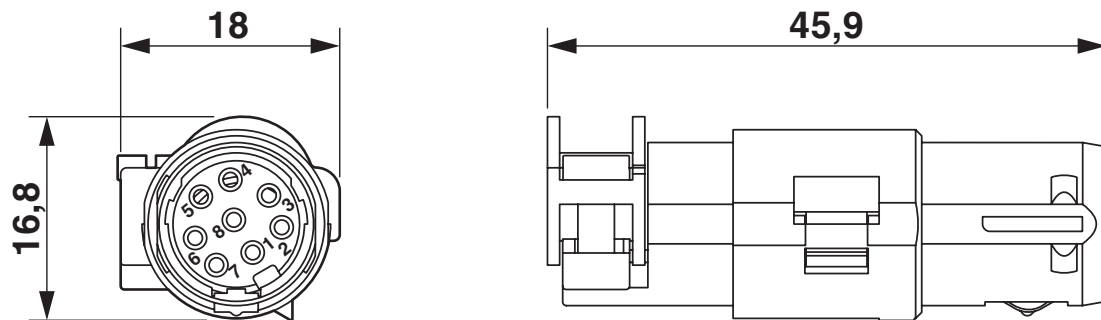


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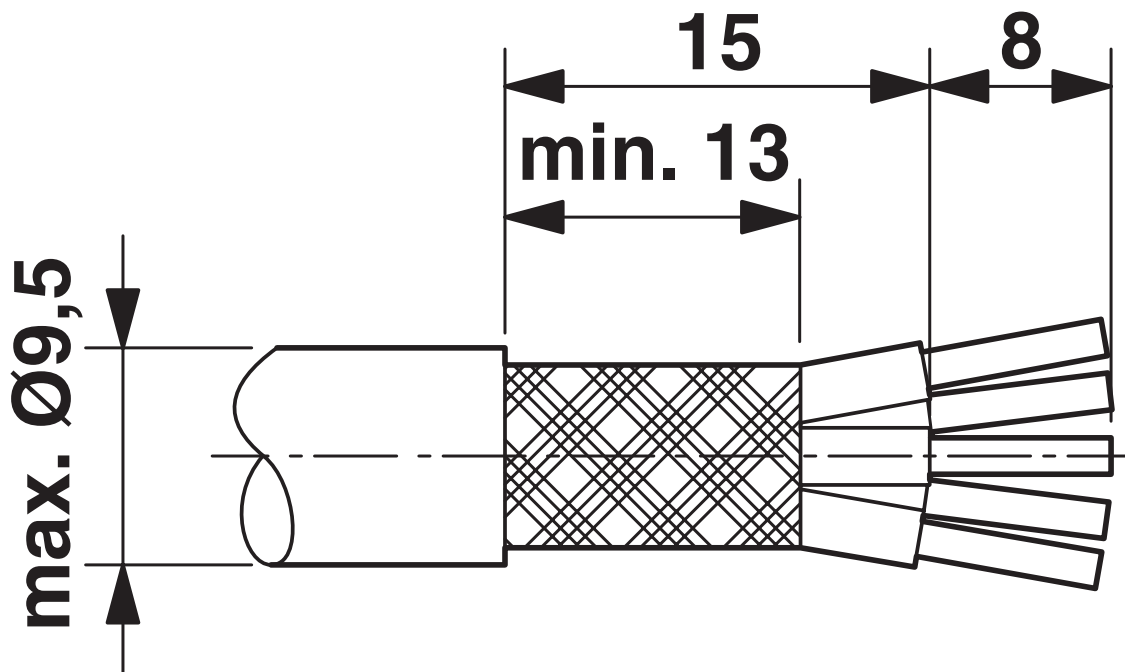
Drawings

Dimensional drawing



Female insert

Dimensional drawing



Stripping specifications

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Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1066080>



EAC

Approval ID: RU C-DE.BL08.B.00511

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Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

ETIM

ETIM 9.0	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
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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Accessories

HC-CBU-MOD - Coding element

1636130

<https://www.phoenixcontact.com/us/products/1636130>



Coding socket for coding up to 16 connectors, for HC Modular

HC-CST-MOD - Coding element

1636127

<https://www.phoenixcontact.com/us/products/1636127>



Coding peg for coding up to 16 connectors, for HC Modular

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HC-M-02-EMC-F - Contact insert module

1417376

<https://www.phoenixcontact.com/us/products/1417376>



Contact insert module, number of positions: 2, Socket, Crimp connection, 48 V, 10 A, 0.14 mm² ... 2.5 mm², application: Data/signal, for using two EMC connectors (female connector), number of positions: 1, 4, 8

CUC-DSC-J1BAU-S/DSC24 - D-SUB crimp contact

1418788

<https://www.phoenixcontact.com/us/products/1418788>



D-SUB crimp contact, connection method: Crimp connection, connection cross section: AWG 24- 20

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CUC-DSC-J1BAU-S/DSC28 - D-SUB crimp contact

1418787

<https://www.phoenixcontact.com/us/products/1418787>



D-SUB crimp contact, connection method: Crimp connection, connection cross section: AWG 28- 24

HC-M-B06-MFH-B - Module carrier frame

1182085

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Module carrier frame, size: B6, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame

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HC-M-B10-MFH-B - Module carrier frame

1182088

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Module carrier frame, size: B10, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame

HC-M-B16-MFH-B - Module carrier frame

1182090

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Module carrier frame, size: B16, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame

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HC-M-B24-MFH-B - Module carrier frame

1182094

<https://www.phoenixcontact.com/us/products/1182094>

Module carrier frame, size: B24, type : for the panel mounting side (a, b, c, ...), 4 mm² ... 6 mm², application: Module carrier frame



HC-M-B06-MFH-H - Module carrier frame

1182087

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Module carrier frame, size: B6, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame



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HC-M-B10-MFH-H - Module carrier frame

1182089

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Module carrier frame, size: B10, type : for the sleeve side (A, B, C, ...), 4 mm² ...
6 mm², application: Module carrier frame



HC-M-B16-MFH-H - Module carrier frame

1182093

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Module carrier frame, size: B16, type : for the sleeve side (A, B, C, ...), 4 mm² ...
6 mm², application: Module carrier frame



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HC-M-B24-MFH-H - Module carrier frame

1182095

<https://www.phoenixcontact.com/us/products/1182095>

Module carrier frame, size: B24, type : for the sleeve side (A, B, C, ...), 4 mm² ... 6 mm², application: Module carrier frame



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

1066082

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Connector, number of positions: 8, power contacts: 0, control contacts: 8, Pin, Crimp connection, 48 V, 5 A, 0.09 mm² ... 0.52 mm², external cable diameter: 3 mm ... 9.5 mm, application: Data/signal



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CRIMPFOX-TC MP - Crimping pliers with digital display

1212510

<https://www.phoenixcontact.com/us/products/1212510>



Crimping pliers, for turned contacts, universal cross section setting, up to a maximum of 2.5 mm², digital display with 0.01 mm increments, pressure lock can be unlocked, including positioning tool

HC-M-EMV-KON-EWZ - Contact removal tool

1678635

<https://www.phoenixcontact.com/us/products/1678635>



Contact removal tool for HC-M-EMV contact carriers

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