

1417307
<https://www.phoenixcontact.com/us/products/1417307>

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.



Contact insert module, number of positions: 9, type : D-SUB 9, Socket, Screw connection, 48 V, 1 A, 0.08 mm² ... 0.5 mm², application: Data

Commercial data

Item number	1417307
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF62
Product key	BF7ACE
Catalog page	Page 587 (C-2-2019)
GTIN	4055626112497
Weight per piece (including packing)	40 g
Weight per piece (excluding packing)	35 g
Customs tariff number	85389099
Country of origin	CN

HC-M-DSUB 09-UT-F - Contact insert module



1417307

<https://www.phoenixcontact.com/us/products/1417307>

Technical data

Notes

General	For HEAVYCON housing type B6 to B48, HC-M-B...MF-... module carrier frame required
General	Connectors may be operated only when there is no load/voltage.
General	The use of guide pins (HC-CST) and sockets (HC-CBU) is recommended to prevent tip collision due to misalignment.

Mounting

Assembly note	To ensure correct use, installation in housing with IP54 protection or better is required
---------------	---

Product properties

Product type	Modular contact insert
Series	HC-M-DSUB-U
Application	Data
Number of positions	9
Connection profile	9
Contact numbering	1 - 9
Number of module slots	1
Type	D-SUB 9
Contact material type	turned

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology

Connection technology	Screw connection
Clamping range of the strain relief clip	4.00 mm ... 7.00 mm

Conductor connection

Conductor cross section	0.08 mm² ... 0.5 mm²
Connection cross section AWG	28 ... 20
Tightening torque	0.03 Nm ... 0.05 Nm
Stripping length of the individual wire	4.2 mm

Dimensions

Dimensional drawing	
---------------------	--

HC-M-DSUB 09-UT-F - Contact insert module



1417307

<https://www.phoenixcontact.com/us/products/1417307>

Width	34.2 mm
Height	35.7 mm
Length	14.6 mm
Clamping range of the strain relief clip	4.00 mm ... 7.00 mm

Mechanical characteristics

Minimum housing height	72 mm
Contact diameter	1 mm

Electrical properties

Rated voltage (III/3)	48 V (D-SUB)
Rated surge voltage	0.8 kV
Rated current	1 A
Transmission characteristics (category)	shielded data cable

Mechanical properties

Mechanical data

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

Material specifications

Material Line conductor	Zinc alloy
Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement set R22 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)
	PC: Fire protection in rail vehicles - requirement set R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
---------------------------------	-------------------

Standards and regulations

Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement set R22 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)
	PC: Fire protection in rail vehicles - requirement set R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

HC-M-DSUB 09-UT-F - Contact insert module

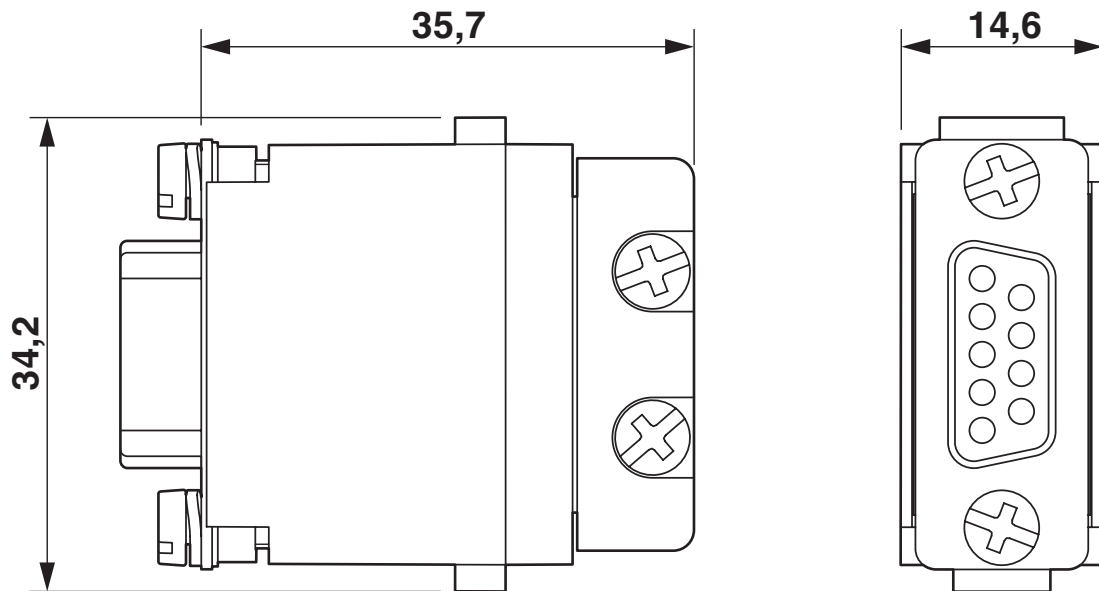
1417307

<https://www.phoenixcontact.com/us/products/1417307>



Drawings

Dimensional drawing

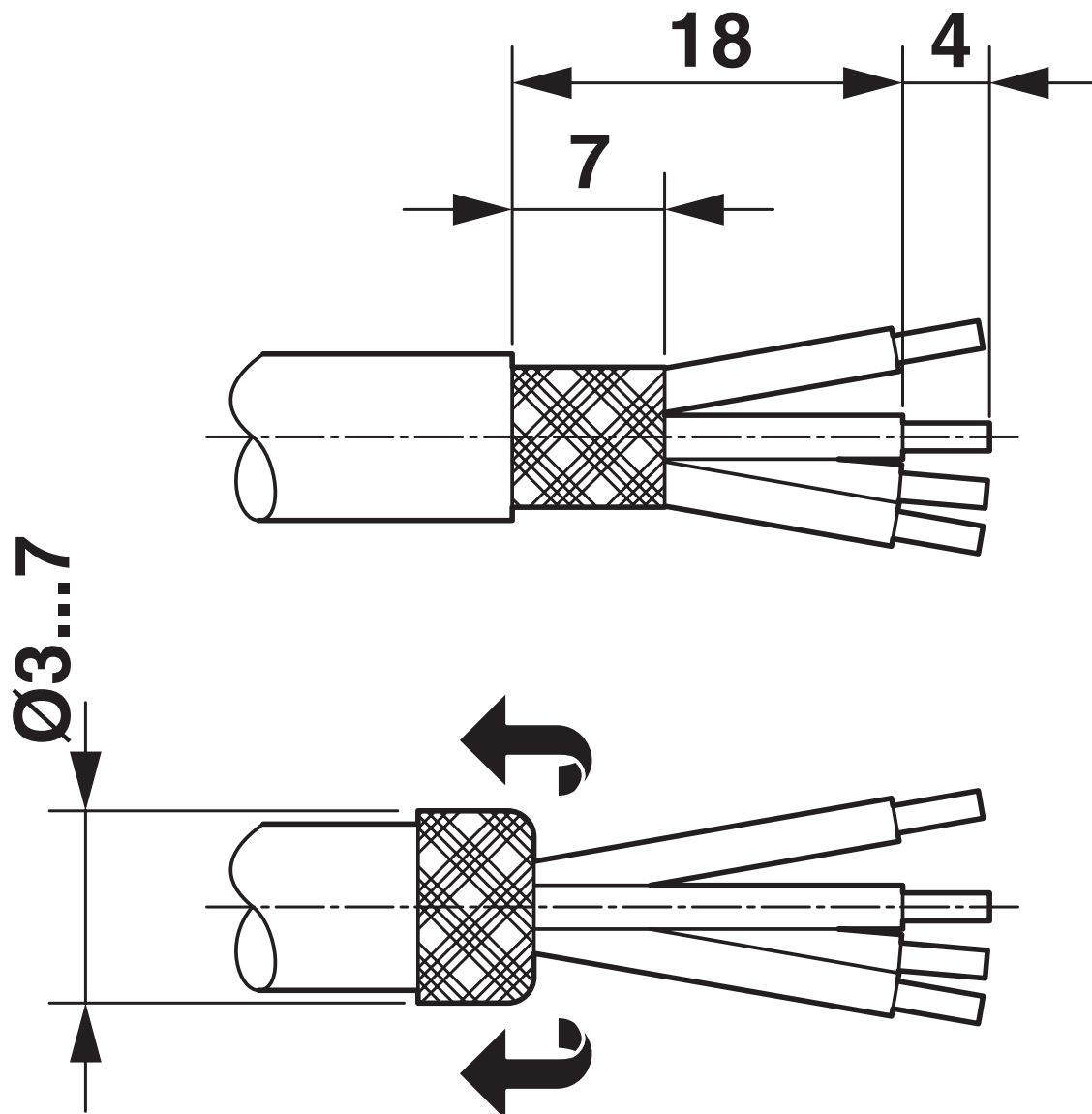


Female insert

1417307

<https://www.phoenixcontact.com/us/products/1417307>

Dimensional drawing



Stripping length specifications; pin assignment. Cable to be used: Order No. 14164457

HC-M-DSUB 09-UT-F - Contact insert module



1417307

<https://www.phoenixcontact.com/us/products/1417307>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1417307>

DNV

Approval ID: TAE000037S



EAC

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

HC-M-DSUB 09-UT-F - Contact insert module



1417307

<https://www.phoenixcontact.com/us/products/1417307>

Classifications

ECLASS

ECLASS-11.0	27440218
ECLASS-12.0	27440218
ECLASS-13.0	27440218

ETIM

ETIM 9.0	EC000438
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

HC-M-DSUB 09-UT-F - Contact insert module



1417307

<https://www.phoenixcontact.com/us/products/1417307>

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%

HC-M-DSUB 09-UT-F - Contact insert module



1417307

<https://www.phoenixcontact.com/us/products/1417307>

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

HC-M-DSUB 09-UT-F - Contact insert module

1417307

<https://www.phoenixcontact.com/us/products/1417307>



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

1182085

<https://www.phoenixcontact.com/us/products/1182085>



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

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

1182088

<https://www.phoenixcontact.com/us/products/1182088>



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

HC-M-DSUB 09-UT-F - Contact insert module

1417307

<https://www.phoenixcontact.com/us/products/1417307>



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

1182090

<https://www.phoenixcontact.com/us/products/1182090>

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



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-DSUB 09-UT-F - Contact insert module

1417307

<https://www.phoenixcontact.com/us/products/1417307>



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

1182087

<https://www.phoenixcontact.com/us/products/1182087>



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

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

1182089

<https://www.phoenixcontact.com/us/products/1182089>



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

HC-M-DSUB 09-UT-F - Contact insert module

1417307

<https://www.phoenixcontact.com/us/products/1417307>



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

1182093

<https://www.phoenixcontact.com/us/products/1182093>

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



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-DSUB 09-UT-F - Contact insert module

1417307

<https://www.phoenixcontact.com/us/products/1417307>



HC-M-DSUB-09-UT-M - Contact insert module

1423723

<https://www.phoenixcontact.com/us/products/1423723>



Contact insert module, number of positions: 9, type : D-SUB 9, Pin, Screw connection, 48 V, 1 A, 0.08 mm² ... 0.5 mm², application: Data

Phoenix Contact 2024 © - 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