

1417308

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Contact insert module, number of positions: 9, type : D-SUB 9, Socket, Crimp connection, 48 V, 1 A, 0.08 mm² ... 0.5 mm², application: Data, without crimp contacts

Commercial data

Item number	1417308
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF62
Product key	BF7ACE
Catalog page	Page 587 (C-2-2019)
GTIN	4055626112503
Weight per piece (including packing)	36 g
Weight per piece (excluding packing)	32 g
Customs tariff number	85389099
Country of origin	CN

Technical data

Notes

General	For HEAVYCON housing types B6 to B48, HC-M-B... snap-in frames and CUC-DSC-J1BAU-S/DSC... crimp contacts in accordance with DIN 41652 are required. Crimp contacts are not supplied as standard.
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
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Product properties

Product type	Modular contact insert
Series	HC-M-DSUB-C
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	Crimp connection
Clamping range of the strain relief clip	4.00 mm ... 7.00 mm

Conductor connection

Conductor cross section	0.08 mm ² ... 0.5 mm ²
Connection cross section AWG	28 ... 20
Stripping length of the individual wire	4.2 mm

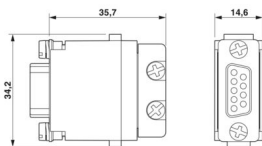
Dimensions

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



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Dimensional drawing		
Width		34.2 mm
Height		35.2 mm
Length		14.6 mm
Clamping range of the strain relief clip		4.00 mm ... 7.00 mm

Mechanical characteristics	
Minimum housing height	52 mm
Contact diameter	1 mm

Electrical properties

Rated voltage (III/3)	48 V
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	Au
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)

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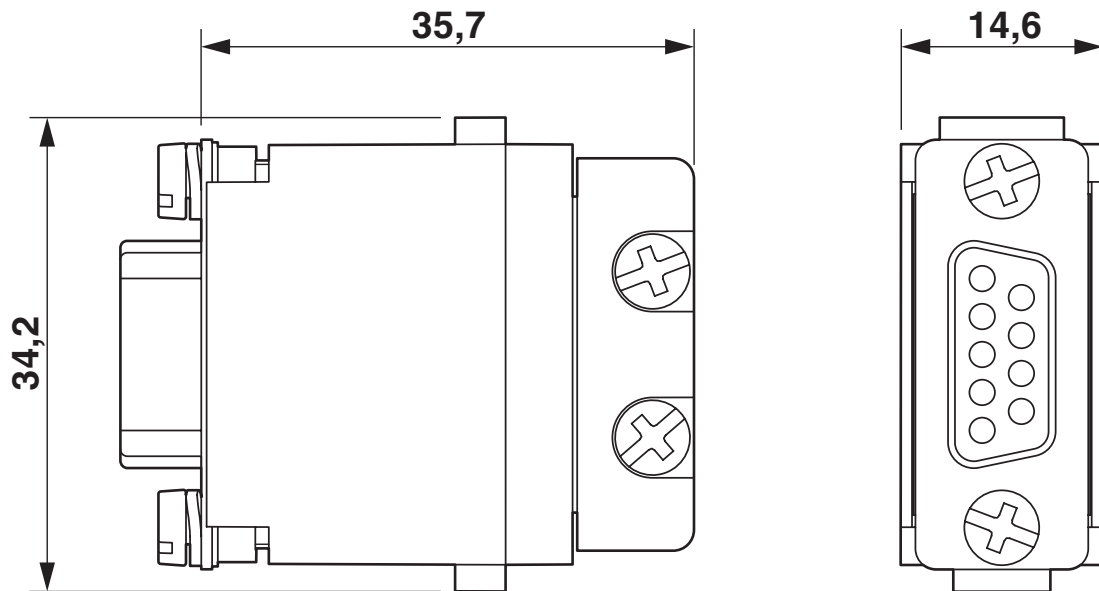
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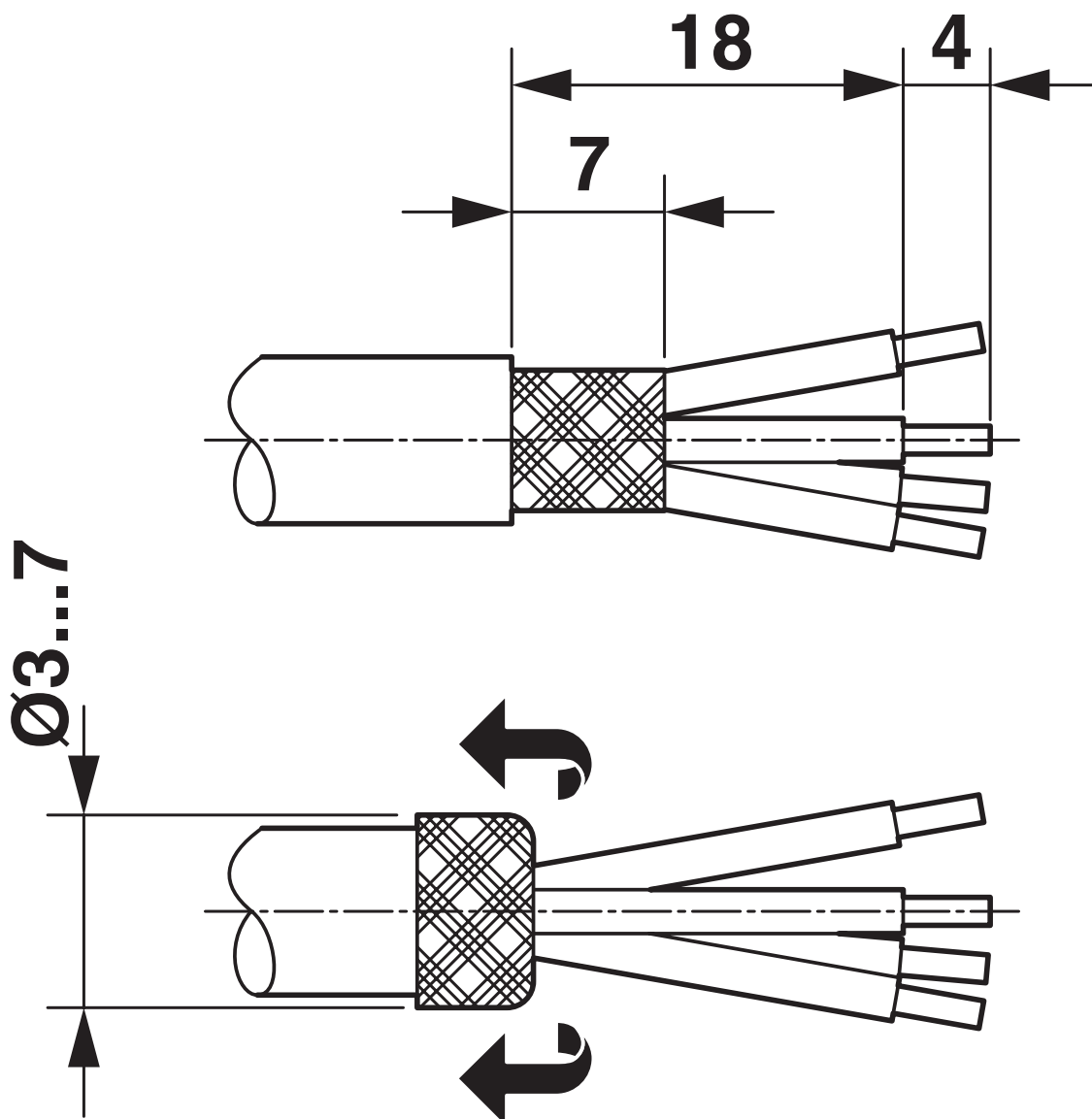
Drawings

Dimensional drawing



Female insert

Dimensional drawing



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

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Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1417308>

DNV

Approval ID: TAE000037S



EAC

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

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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC000438
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UNSPSC

UNSPSC 21.0	39121400
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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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CUC-DSC-C1BAU-S/DSC28 - D-SUB crimp contact

1418784

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

CUC-DSC-C1BAU-S/DSC24 - D-SUB crimp contact

1418786

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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

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

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

1418788

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

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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

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

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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



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

1182094

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



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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

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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

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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



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

1182095

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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-CT-F - Contact insert module

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

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Contact insert module, number of positions: 9, type : D-SUB 9, Pin, Crimp connection, 48 V, 1 A, 0.08 mm² ... 0.5 mm², application: Data, without crimp contacts

VS-IET-DSUB-SIGNAL-STD - Tool

1658794

<https://www.phoenixcontact.com/us/products/1658794>



Insertion/extraction tool, to insert and extract the D-SUB standard signal contacts

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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

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