

HC-M-25-CT-M - Contact insert module



1414374

<https://www.phoenixcontact.com/us/products/1414374>

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Contact insert module, number of positions: 25, power contacts: 0, control contacts: 25, Pin, Crimp connection, 30 V, 4 A, 0.08 mm² ... 0.5 mm², application: Signal

Commercial data

Item number	1414374
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BF62
Product key	BF7ACE
Catalog page	Page 587 (C-2-2019)
GTIN	4055626025278
Weight per piece (including packing)	8.62 g
Weight per piece (excluding packing)	8.62 g
Customs tariff number	85389099
Country of origin	PL

HC-M-25-CT-M - Contact insert module



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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
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Product properties

Product type	Modular contact insert
Series	HC-M-25
Application	Signal
Number of positions	25
Connection profile	25
Contact numbering	1 - 25
Number of module slots	1
No. of power contacts	0
No. of control contacts	25
Contact material type	turned

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

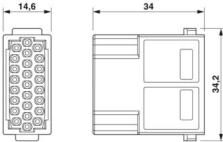
Connection technology

Connection technology	Crimp connection
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Conductor connection

Conductor cross section	0.08 mm² ... 0.5 mm²
Connection cross section AWG	28 ... 20
Stripping length of the individual wire	4.2 mm

Dimensions

Dimensional drawing	
Width	34.2 mm

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Height	34 mm
Length	14.6 mm

Mechanical characteristics

Minimum housing height	52 mm
Contact diameter	1 mm

Electrical properties

Rated voltage (III/2) contacts	60 V
Rated voltage (III/3)	30 V
Rated surge voltage (III/2)	0.8 kV
Rated surge voltage (III/3)	0.8 kV
Rated surge voltage	0.8 kV
Rated current	4 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

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 sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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Standards and regulations

Testing

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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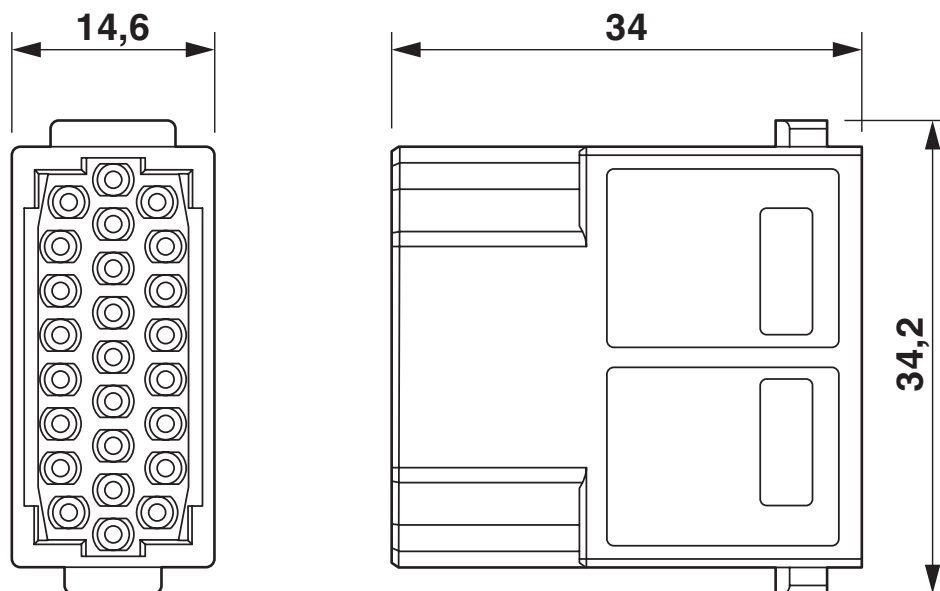


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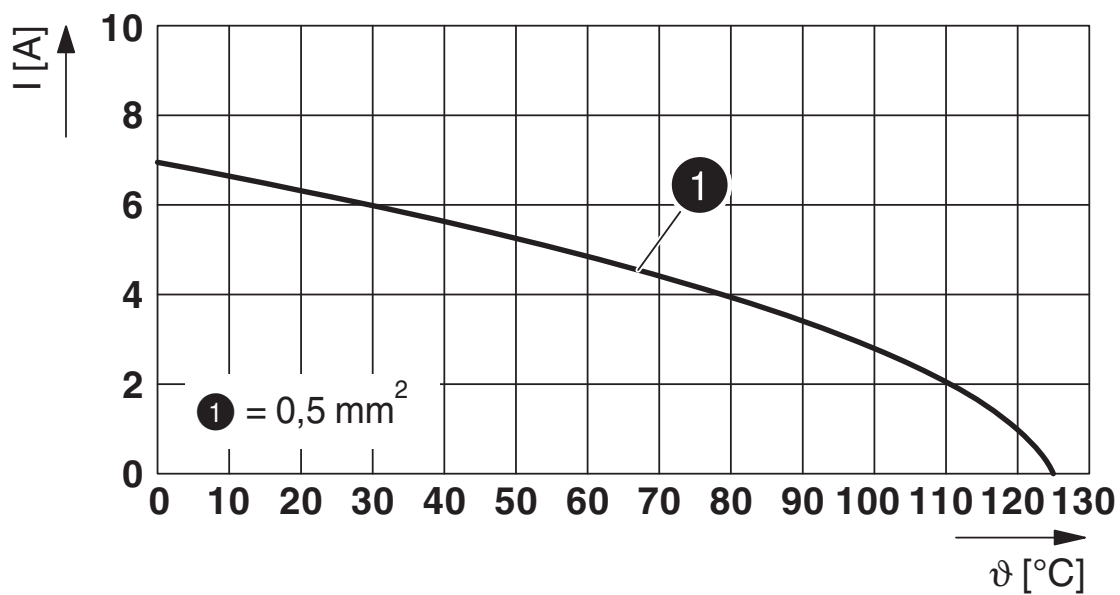
Drawings

Dimensional drawing



Male insert

Diagram



Derating diagram

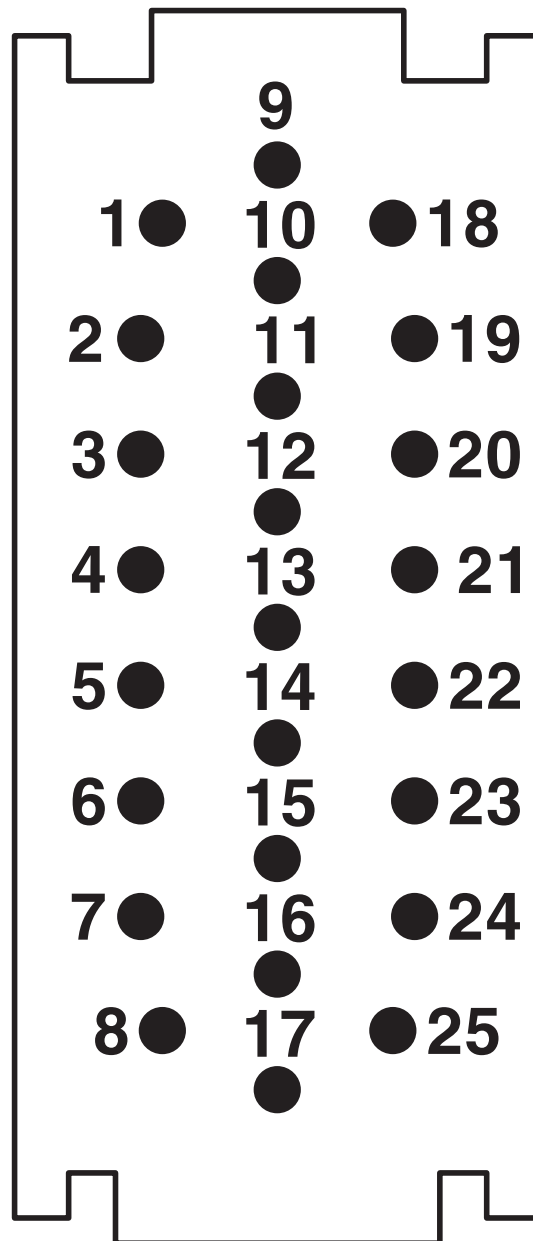
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Schematic diagram



Connector pin assignment, connection side

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1414374>

DNV

Approval ID: TAE000037S



CSA

Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	4 A	- 20	-



UL Recognized

Approval ID: E118976

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	50 V	5 A	- 20	-



EAC

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



UL Recognized

Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	50 V	5 A	-	-

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Classifications

ECLASS

ECLASS-11.0	27440217
ECLASS-12.0	27440217
ECLASS-13.0	27440217

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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HC-M-MHR-PE16 - Cable lug

1636981

<https://www.phoenixcontact.com/us/products/1636981>



Cable lug for HEAVYCON-MODULAR; PE connection extension to 16 mm², for crimping with crimp pliers

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

1418786

<https://www.phoenixcontact.com/us/products/1418786>



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

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CUC-DSC-C1BAU-S/DSC28 - D-SUB crimp contact

1418784

<https://www.phoenixcontact.com/us/products/1418784>



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

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

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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-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

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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



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-25-CT-F - Contact insert module

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