

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



1414374

<https://www.phoenixcontact.com/pc/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
Product Key	BF7ACE
Catalog Page	Page 587 (C-2-2019)
GTIN	4055626025278
Weight per Piece (including packing)	8.64 g
Weight per Piece (excluding packing)	8.64 g
Customs tariff number	85389099
Country of origin	PL

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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 instructions	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
Number of positions	25
Connection profile	25
Application	Signal
Number of module slots	1
No. of power contacts	0
No. of control contacts	25
Contact type	turned
Series	HC-M-25

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

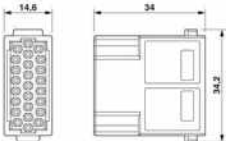
Connection technology

Connection technology	Crimp connection
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Conductor connection

Conductor cross section	0.08 mm ² ... 0.5 mm ²
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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Length	14.6 mm
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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

Color	light grey
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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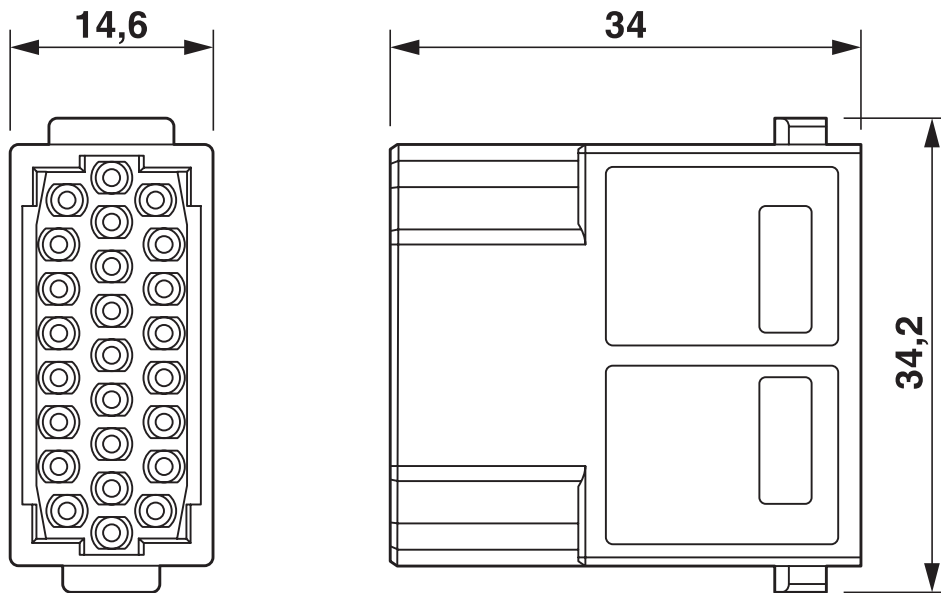


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Drawings

Dimensional drawing



Male insert

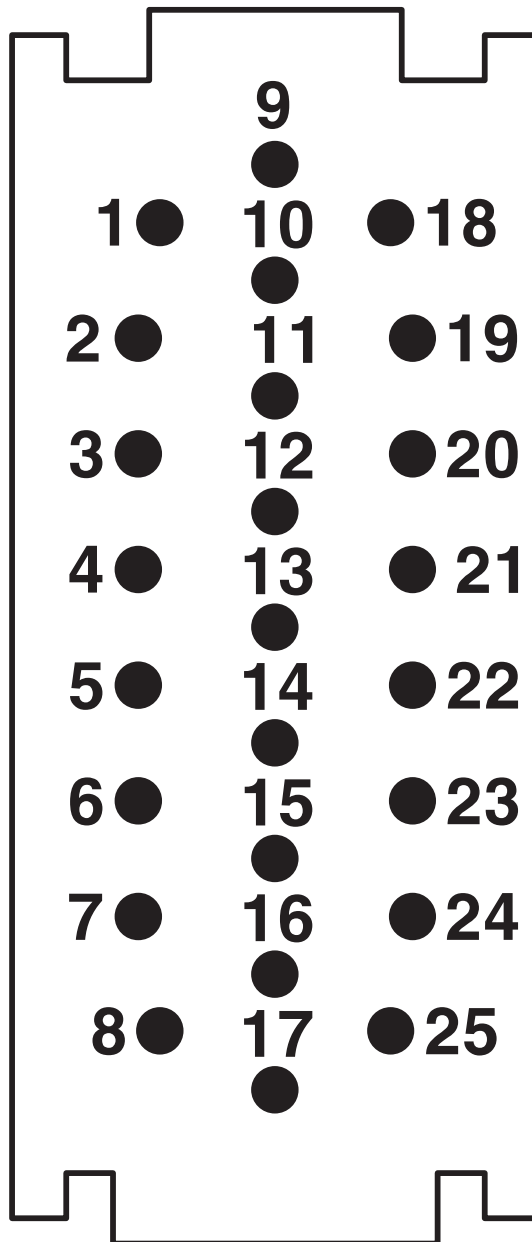
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Schematic diagram



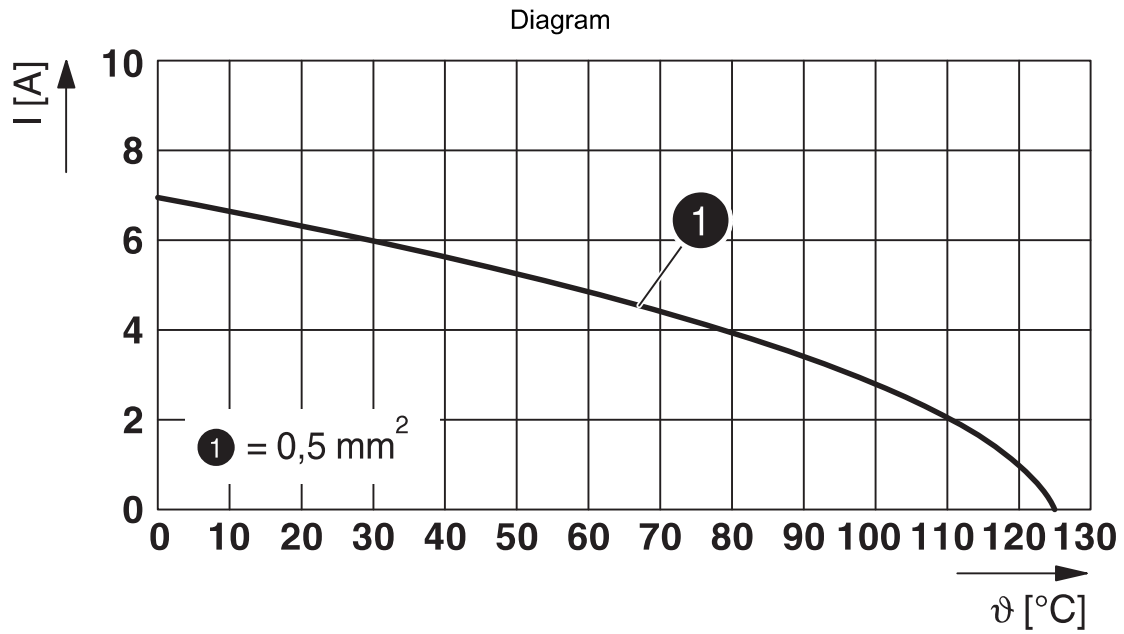
Connector pin assignment, connection side

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Derating diagram

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Approvals

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.AI30.B.01102



EAC

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

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Classifications

ECLASS

ECLASS-9.0	27440217
ECLASS-10.0.1	27440217
ECLASS-11.0	27440217

ETIM

ETIM 8.0	EC000438
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UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance

China RoHS

Environmentally friendly use period: unlimited = EFUP-e

No hazardous substances above threshold values