

# 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 mm<sup>2</sup> ... 0.5 mm<sup>2</sup>, 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

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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
Contact numbering	1 - 25
Application	Signal
Number of module slots	1
No. of power contacts	0
No. of control contacts	25
Contact material type	turned
Series	HC-M-25

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Connection data

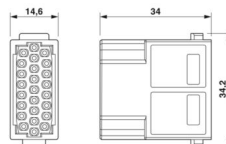
#### Connection technology

Connection technology	Crimp connection
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#### Conductor connection

Conductor cross section	0.08 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
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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## 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

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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