

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



1414374

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

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: 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	1 pc
Sales key	BF62
Product key	AF7ACE
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



1414374

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

## 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-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

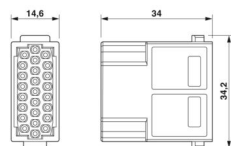
#### Connection technology

Connection technology	Crimp connection
-----------------------	------------------

#### 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

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



1414374

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

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
SCCR	5 kA (UL 2237)

## Mechanical properties

### Mechanical data

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

## Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Au
Contact carrier material	PC
Standards/regulations	PC

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

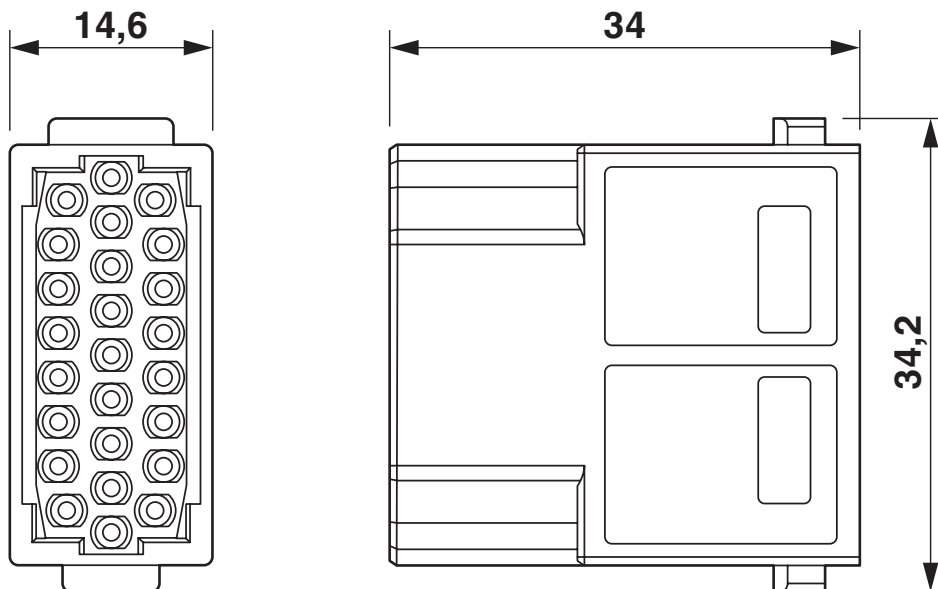
# HC-M-25-CT-M - Contact insert module

1414374

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

## Drawings

Dimensional drawing



Male insert

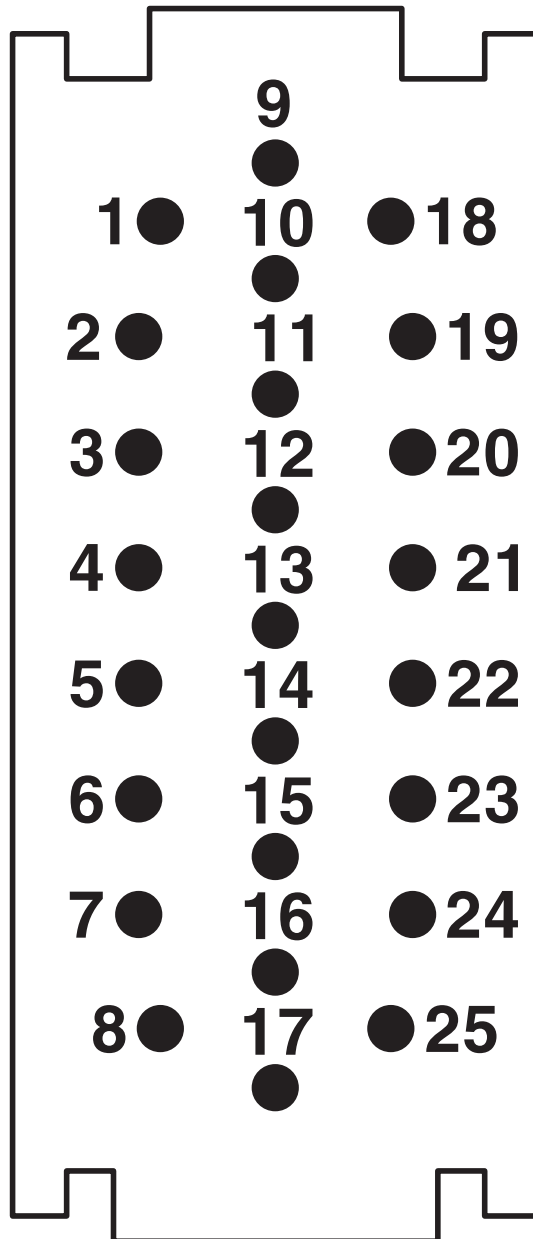
# HC-M-25-CT-M - Contact insert module



1414374

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

Schematic diagram



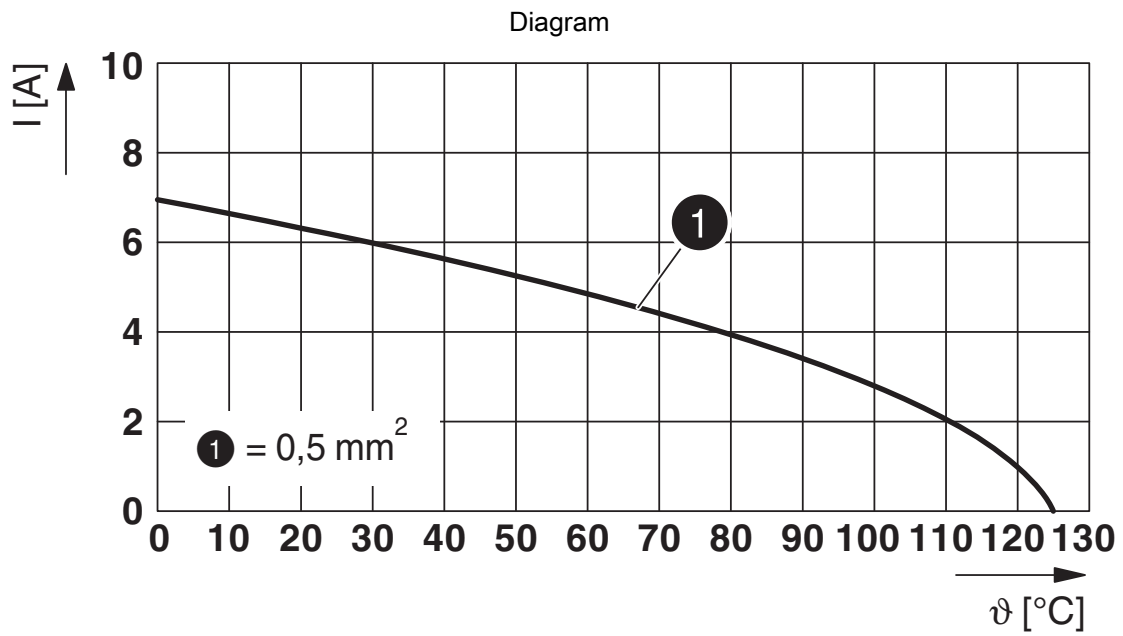
Connector pin assignment, connection side

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



1414374

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



Derating diagram

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



1414374

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

## Approvals

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

### DNV

Approval ID: TAE000037S



### CSA

Approval ID: 158887

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	30 V	4 A	- 20	-



### UL Recognized

Approval ID: E118976

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	50 V	5 A	- 20	-



### UL Recognized

Approval ID: E468743

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	50 V	5 A	-	-

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



1414374

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

## Classifications

### ECLASS

ECLASS-13.0	27440217
ECLASS-15.0	27440217

### ETIM

ETIM 10.0	EC000438
-----------	----------

### UNSPSC

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

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



1414374

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

## 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%
-------------------------------------	----------------------------

### EF3.1 Climate Change

CO2e kg	0.045 kg CO2e
---------	---------------

Phoenix Contact 2026 © - 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](mailto:info@phoenixcon.com)