

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



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	5 pc
GTIN	 4 055626 025278
GTIN	4055626025278
Weight per Piece (excluding packing)	8.000 g
Custom tariff number	85389099
Country of origin	Poland

### Technical data

#### Dimensions

Height	34 mm
Width	34.2 mm
Length	14.6 mm

#### Electrical characteristics

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

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## Technical data

### Electrical characteristics

Rated surge voltage (III/3)	0.8 kV
Connection profile	25

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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### Mechanical characteristics

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
External cable diameter	2.2 mm
Contact diameter	1 mm
Insertion/withdrawal cycles	≥ 500
Minimum housing height	52 mm

### General

Note	For HEAVYCON housing type B6 to B48, HC-M-B...MF... module carrier frame required
	Connectors may be operated only when there is no load/voltage.
	The use of guide pins (HC-CST) and sockets (HC-CBU) is recommended to prevent tip collision due to misalignment.
Series	HC-M-25
Color	light gray
Number of module slots	1
Connection method	Crimp connection
Contact type	turned
Flammability rating according to UL 94	V0
Degree of pollution	3
Overvoltage category	III
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
Contact carrier type	modular

### Material data

Contact material	Copper alloy
Contact surface material	Au
Contact carrier material	PC

### Standards and Regulations

Flammability rating according to UL 94	V0
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### Environmental Product Compliance

# Contact insert module - HC-M-25-CT-M - 1414374

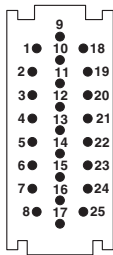
## Technical data

### Environmental Product Compliance

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

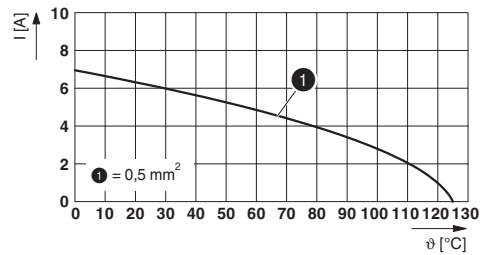
## Drawings

Schematic diagram



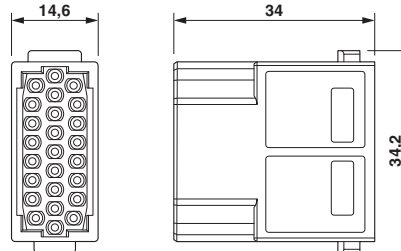
Connector pin assignment, connection side

Diagram



Derating diagram

Dimensional drawing



Male insert

## Classifications

eCl@ss

eCl@ss 10.0.1	27440217
eCl@ss 11.0	27440217
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 9.0	27440217

ETIM

ETIM 6.0	EC000438
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## Classifications

### ETIM

ETIM 7.0	EC000438
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### UNSPSC

UNSPSC 13.2	39121421
UNSPSC 18.0	39121421
UNSPSC 19.0	39121421
UNSPSC 20.0	39121421
UNSPSC 21.0	39121421

## Approvals


### Approvals


#### Approvals

CSA / UL Recognized / EAC / EAC / DNV GL

#### Ex Approvals

### Approval details

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
Nominal voltage UN		30 V	
Nominal current IN		4 A	
mm <sup>2</sup> /AWG/kcmil		20	

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E118976
Nominal voltage UN		50 V	
Nominal current IN		5 A	
mm <sup>2</sup> /AWG/kcmil		20	

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### Approvals

EAC		RU C- DE.AI30.B.01102
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EAC		RU C- DE.BL08.B.00511
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DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAE000037S
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### Accessories

#### Accessories

#### Coding element

Coding element - HC-CBU-MOD - 1636130



Coding socket for coding up to 16 connectors, for HC Modular

Coding element - HC-CST-MOD - 1636127



Coding peg for coding up to 16 connectors, for HC Modular

#### Crimp contact

D-SUB crimp contact - CUC-DSC-C1BAU-S/DSC24 - 1418786



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

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### Accessories

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D-SUB crimp contact - CUC-DSC-C1BAU-S/DSC28 - 1418784



D-SUB crimp contact, connection method: Crimp connection, connection cross section: AWG 28- 26

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### Crimping tool

Crimping pliers with digital display - CRIMPFOX-TC MP - 1212510



Crimping pliers, for turned contacts, universal cross section setting, up to a maximum of 2.5 mm<sup>2</sup>, digital display with 0.01 mm increments, pressure lock can be unlocked, including positioning tool

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### Module carrier frame

Module carrier frame - HC-M-B06-MFH-B - 1182085



Module carrier frame, size: B6, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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Module carrier frame - HC-M-B10-MFH-B - 1182088



Module carrier frame, size: B10, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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## Contact insert module - HC-M-25-CT-M - 1414374

### Accessories

#### Module carrier frame - HC-M-B16-MFH-B - 1182090



Module carrier frame, size: B16, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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#### Module carrier frame - HC-M-B24-MFH-B - 1182094



Module carrier frame, size: B24, type : for the panel mounting side (a, b, c, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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#### Module carrier frame - HC-M-B06-MFH-H - 1182087



Module carrier frame, size: B6, type : for the sleeve side (A, B, C, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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#### Module carrier frame - HC-M-B10-MFH-H - 1182089



Module carrier frame, size: B10, type : for the sleeve side (A, B, C, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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#### Module carrier frame - HC-M-B16-MFH-H - 1182093



Module carrier frame, size: B16, type : for the sleeve side (A, B, C, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

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## Contact insert module - HC-M-25-CT-M - 1414374

### Accessories

Module carrier frame - HC-M-B24-MFH-H - 1182095



Module carrier frame, size: B24, type : for the sleeve side (A, B, C, ...), 4 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Module carrier frame

Tool - VS-IET-DSUB-SIGNAL-STD - 1658794



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

### Additional products

Contact insert module - HC-M-25-CT-F - 1414375



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