

# HC-M-25-MOD-ST - Contact insert module



1605004

<https://www.phoenixcontact.com/us/products/1605004>

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HEAVYCON contact insert module, male, 25-pos., crimp connection



## Commercial data

Item number	1605004
Packing unit	1 pc
Minimum order quantity	2 pc
Note	Made to order (non-returnable)
Sales key	BF62
Product key	BF7ACB
Catalog page	Page 561 (C-4-2015)
GTIN	4017918893330
Weight per piece (including packing)	10.06 g
Weight per piece (excluding packing)	10.06 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

General	For HEAVYCON housing type B6 to B48, HC-M-MHR... hinged retaining frame required, VS-...CD-1,0... crimp contacts (crimp contacts not supplied as standard)
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### Mounting

Assembly instructions	Housing height $\geq 52$ mm. Plug-in connections may only be operated only when there is no load/voltage. Use of HC-CST (1676857) coding pins and HC-CBU (1676860) coding sockets has been prescribed.
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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
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
Height	34 mm
Length	14.6 mm

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## Mechanical characteristics

Minimum housing height	52 mm
Contact diameter	1 mm

## Electrical properties

Rated voltage (III/3)	50 V
Rated surge voltage	0.8 kV
Rated current	4 A
Test voltage	800 V AC

## 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

## Environmental and real-life conditions

### Ambient conditions

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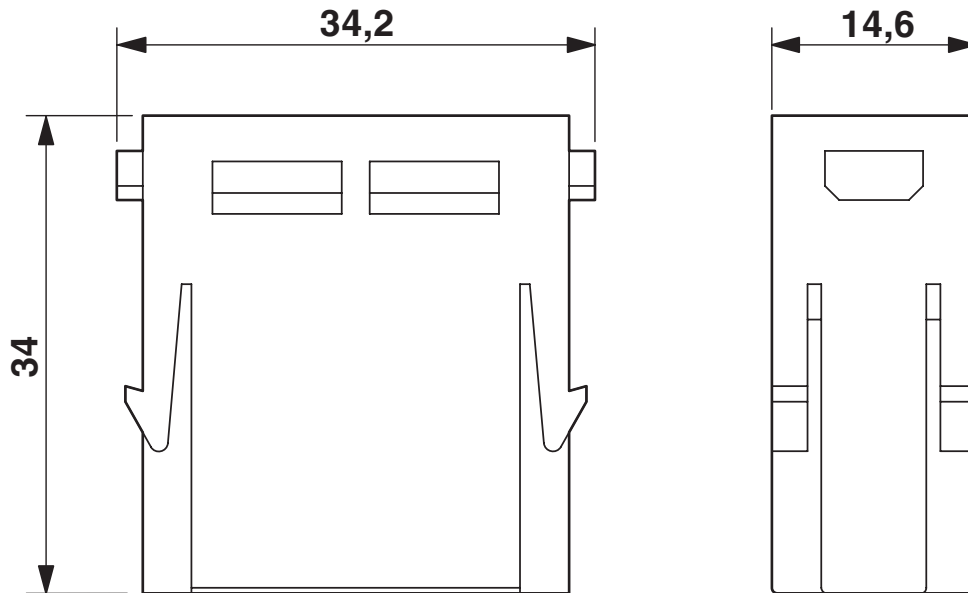
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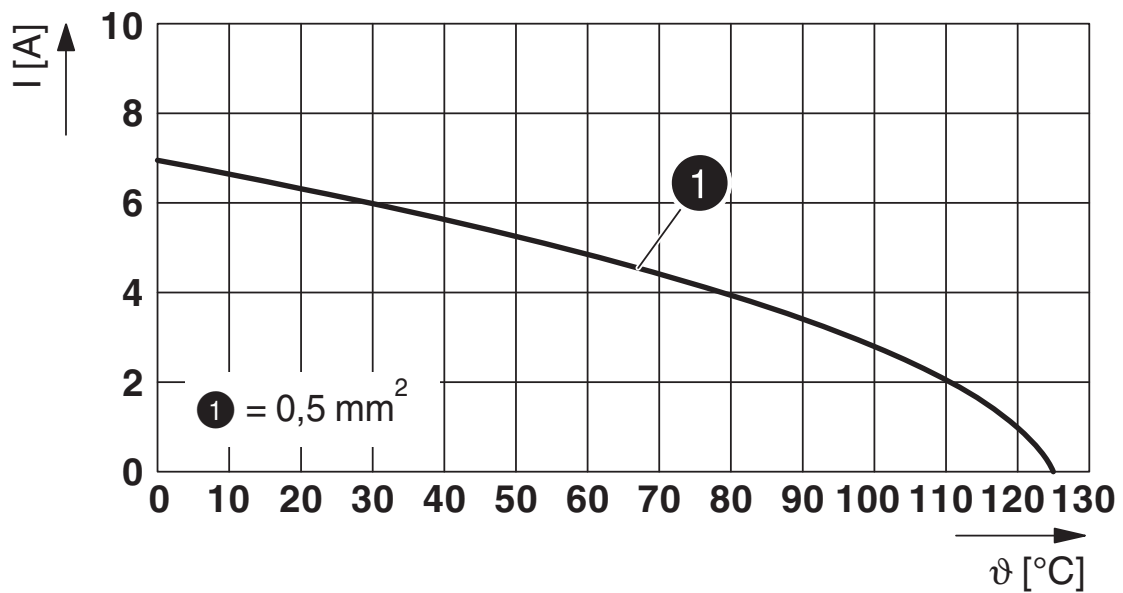
## Drawings

Dimensional drawing



Male insert

Diagram



Derating diagram

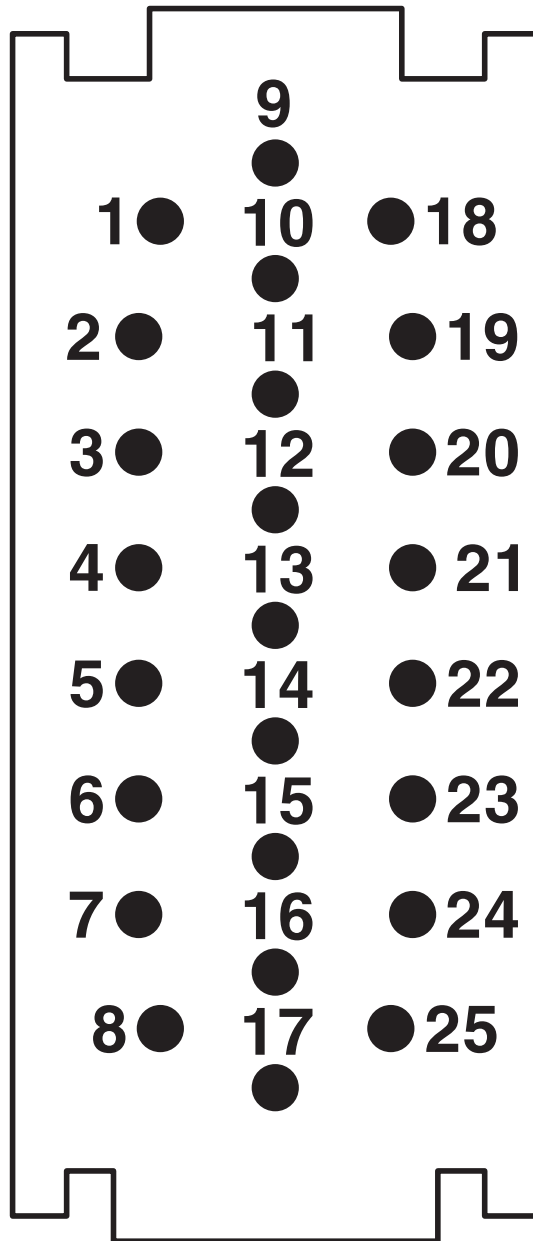
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Schematic diagram



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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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## Accessories

### 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

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