

HC-M-06-MOD-ST - Contact insert module



1663459

<https://www.phoenixcontact.com/us/products/1663459>

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HEAVYCON contact insert module, male, 6-pos., crimp connection

Commercial data

Item number	1663459
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF62
Product key	BF7ACB
Catalog page	Page 557 (C-4-2015)
GTIN	4017918123260
Weight per piece (including packing)	10.85 g
Weight per piece (excluding packing)	10.3 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, CK2,5-ED... crimp contacts (crimp contacts not supplied as standard)
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Mounting

Assembly instructions	Housing height ≥ 52 mm. Plug-in connections may only be operated only when there is no load/voltage.
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Product properties

Product type	Modular contact insert
Number of positions	6
Connection profile	6
Contact numbering	1 - 6
Application	Power
Number of module slots	1
Contact material type	turned
Series	HC-M-06

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	0.5 mm ² ... 4 mm ²
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	7.5 mm

Dimensions

Dimensional drawing	
Width	34.2 mm
Height	34 mm
Length	14.6 mm

Mechanical characteristics

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Minimum housing height	52 mm
Contact diameter	2.5 mm

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

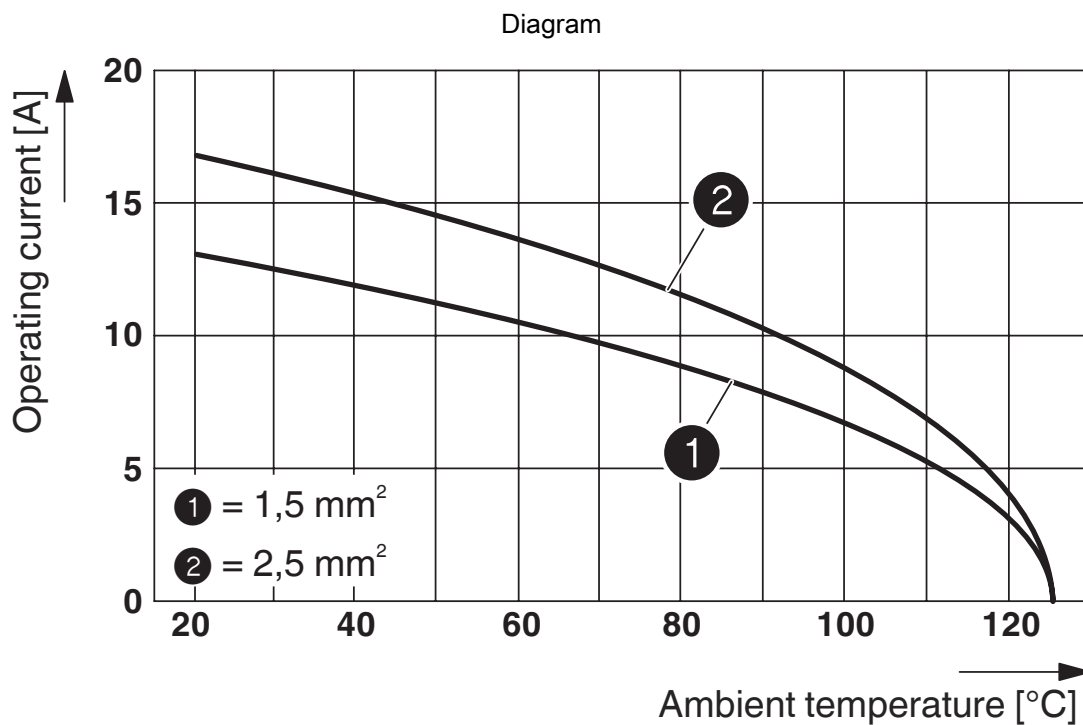
Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

Environmental and real-life conditions

Ambient conditions

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



Derating diagram (6 modules in HC-B 24 housing)

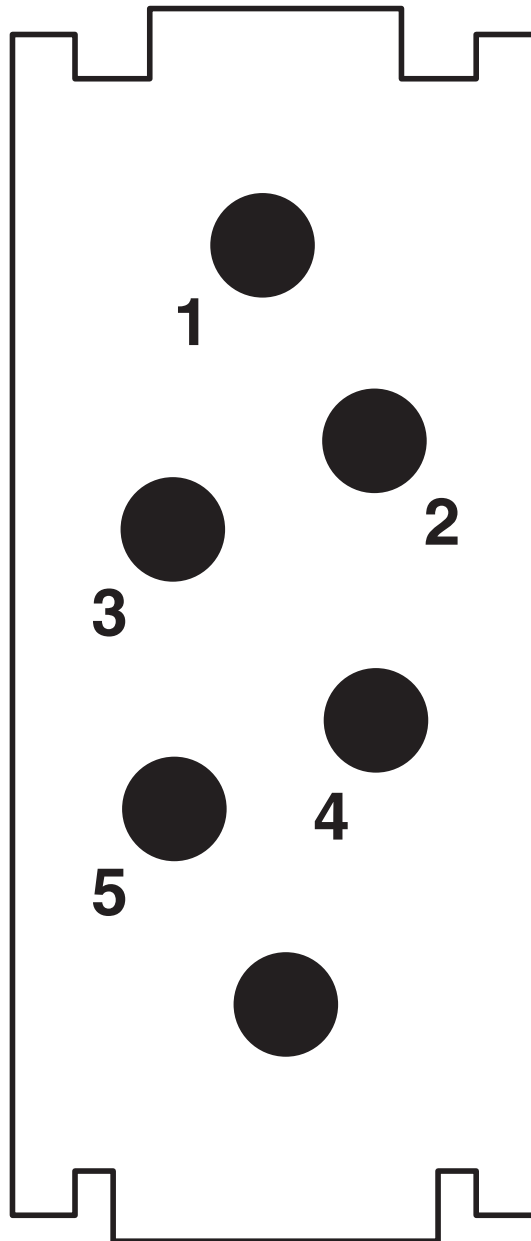
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Schematic diagram



Connector pin assignment, connection side

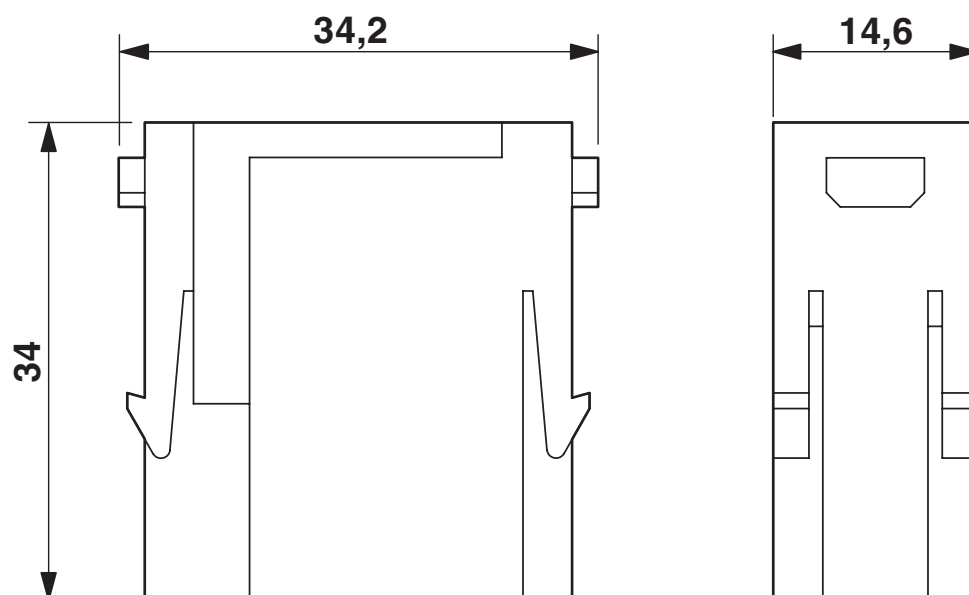
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Dimensional drawing



Male insert

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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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