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	AF7ACB
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

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)

Mounting

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

Product properties

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

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

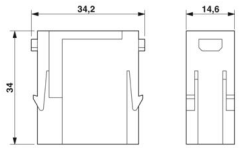
Connection technology

Connection technology	Crimp connection

Conductor connection

Conductor cross-section	0.5 mm² ... 4 mm²
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

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

Material specifications

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

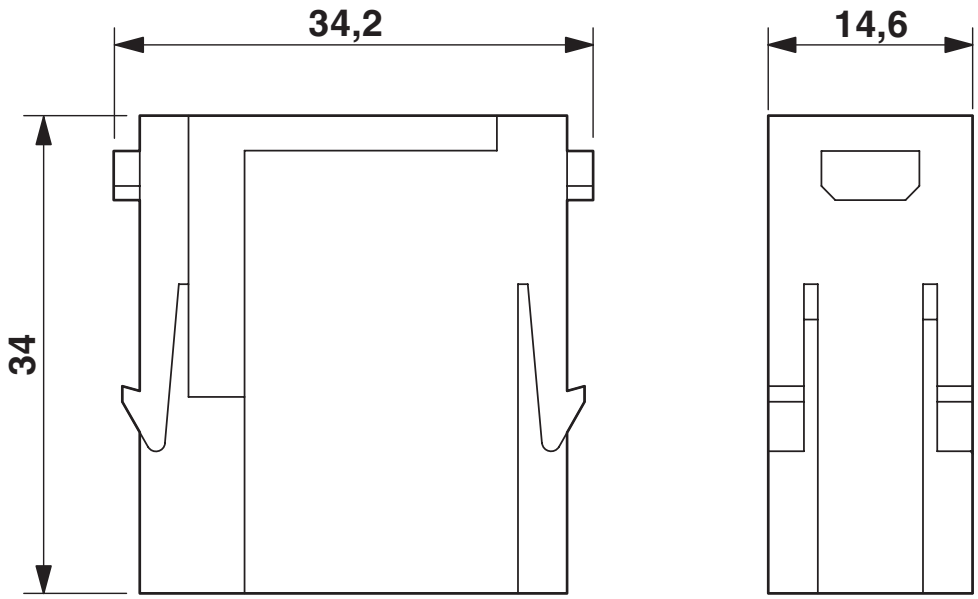
Environmental and real-life conditions

Ambient conditions

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

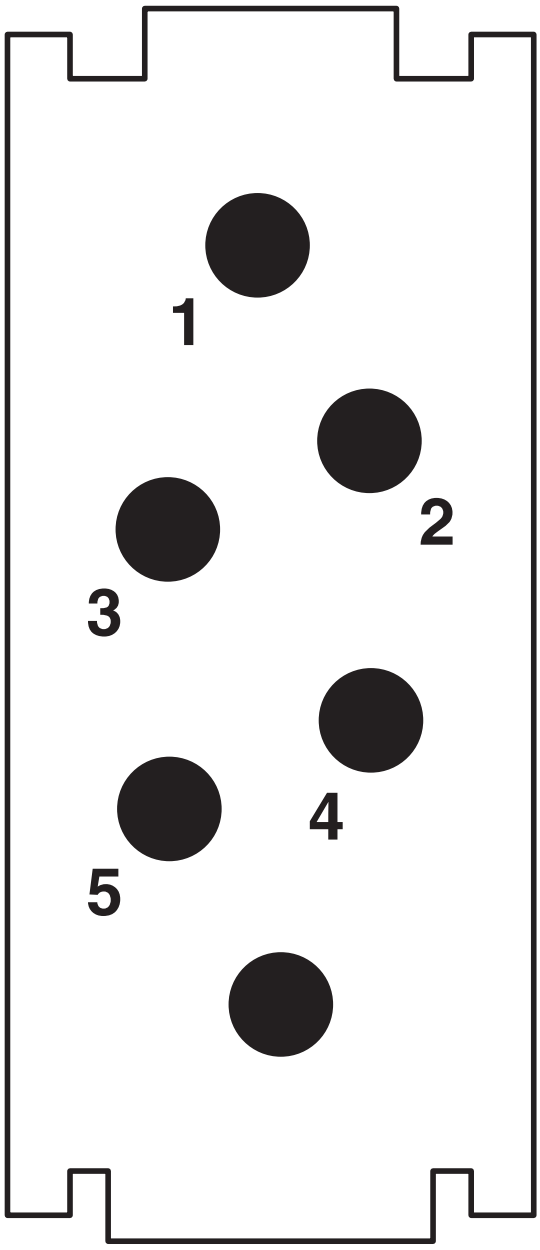
Drawings

Dimensional drawing



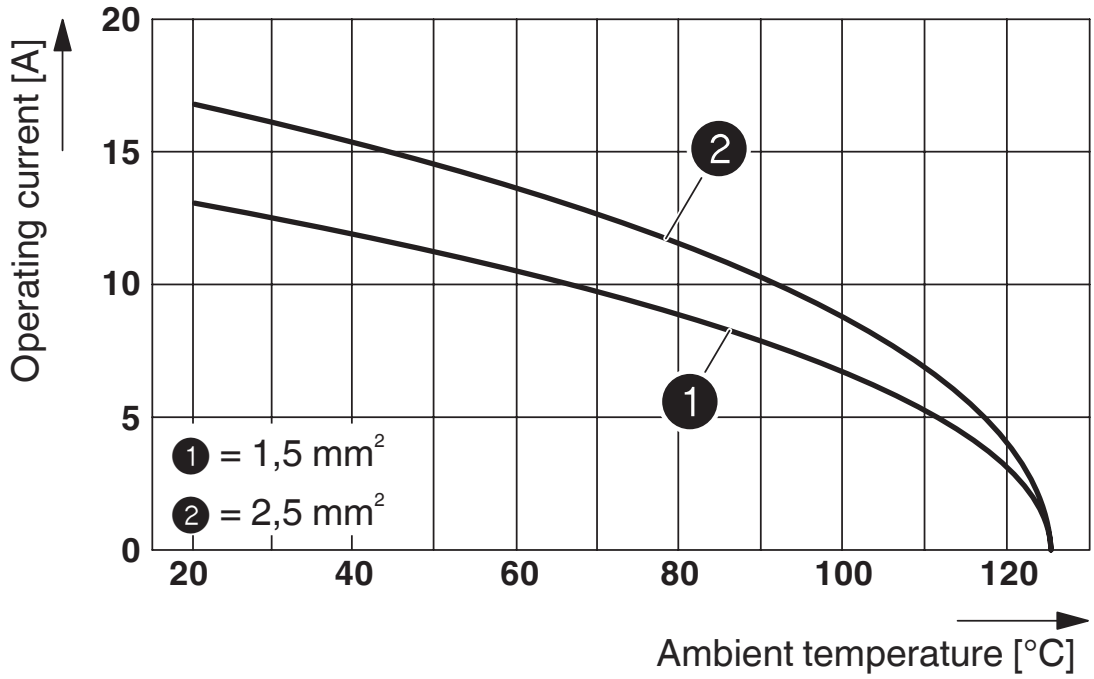
Male insert

Schematic diagram



Connector pin assignment, connection side

Diagram



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

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%

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