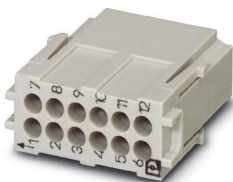


HC-M-12-MOD-ST - Contact insert module



1663310
<https://www.phoenixcontact.com/pc/products/1663310>

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.



HEAVYCON contact insert module, male, 12-pos., crimp connection

Commercial data

Item number	1663310
Packing unit	2 pc
Minimum order quantity	200 pc
Product key	BF7ACB
Catalog page	Page 559 (C-4-2015)
GTIN	4017918123123
Weight per piece (including packing)	11.15 g
Weight per piece (excluding packing)	10.766 g
Customs tariff number	85366990
Country of origin	DE

HC-M-12-MOD-ST - Contact insert module



1663310

<https://www.phoenixcontact.com/pc/products/1663310>

Technical data

Notes

General	For HEAVYCON housing type B6 to B48, HC-M-MHR... hinged retaining frame required, CK1,6-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-12
Application	Signal
Number of positions	12
Connection profile	12
Contact numbering	1 - 12
Number of module slots	1
Contact material type	turned

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

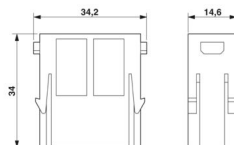
Connection technology

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

Conductor connection

Conductor cross section	0.14 mm ² ... 2.5 mm ²
Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm (6 mm with 2.5 mm ²)

Dimensions

Dimensional drawing	
Width	34.2 mm
Height	34 mm
Length	14.6 mm

Mechanical characteristics

HC-M-12-MOD-ST - Contact insert module



1663310

<https://www.phoenixcontact.com/pc/products/1663310>

Minimum housing height	52 mm
Contact diameter	1.6 mm

Electrical properties

Rated voltage (III/3)	250 V
Rated surge voltage	3 kV
Rated current	10 A

Mechanical properties

Mechanical data

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

Material specifications

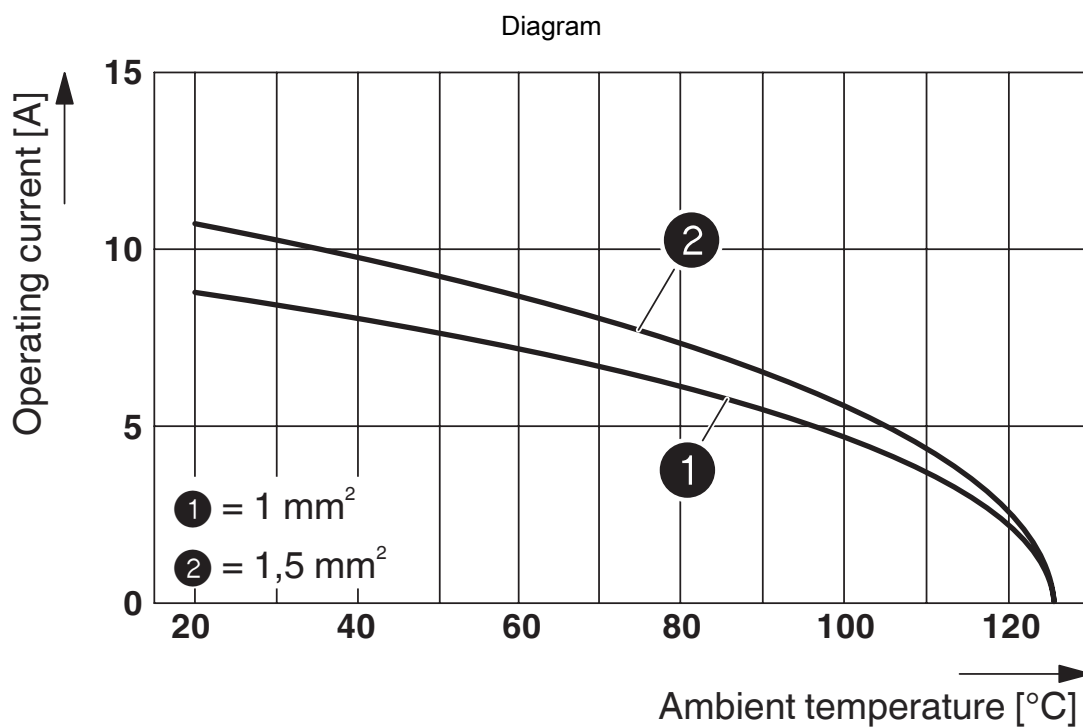
Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

Environmental and real-life conditions

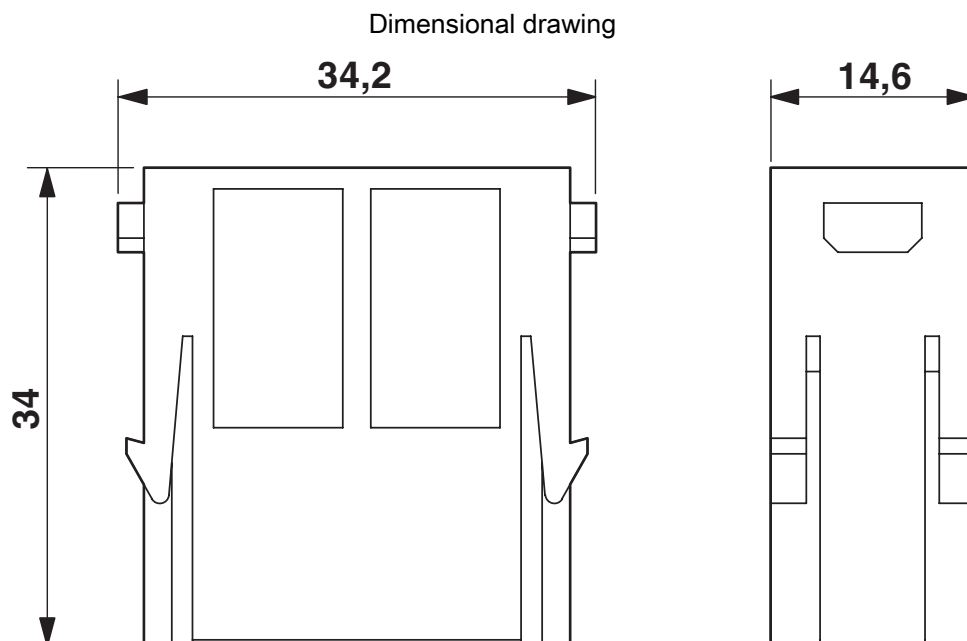
Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °C
---------------------------------	------------------

Drawings



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



Male insert

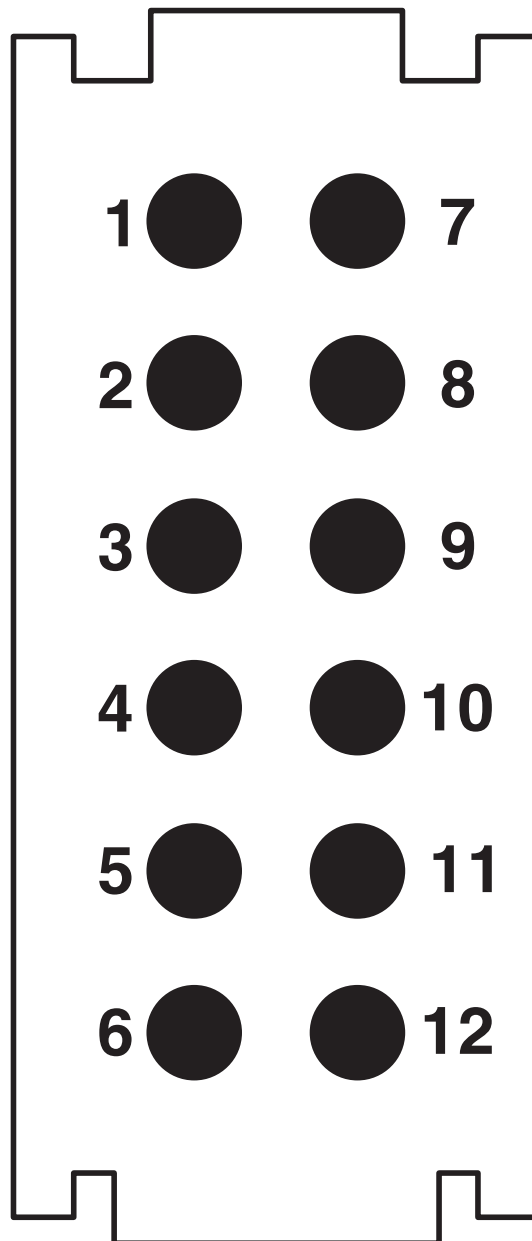
HC-M-12-MOD-ST - Contact insert module

1663310

<https://www.phoenixcontact.com/pc/products/1663310>



Schematic diagram



Connector pin assignment, connection side

HC-M-12-MOD-ST - Contact insert module



1663310
<https://www.phoenixcontact.com/pc/products/1663310>

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%

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com