

Contact insert module - HC-M-12-CT-F - 1414355

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Contact insert module, number of positions: 12, power contacts: 0, control contacts: 12, Socket, Crimp connection, 250 V, 10 A, 0.14 mm² ... 2.5 mm², application: Signal



COMPLETE

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	5 pc
GTIN	 4 055626 024684
GTIN	4055626024684
Weight per Piece (excluding packing)	4.000 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)	250 V
Rated current	10 A
Rated surge voltage	4 kV
Connection profile	12

Ambient conditions

Contact insert module - HC-M-12-CT-F - 1414355

Technical data

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
---------------------------------	--

Mechanical characteristics

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 (for 2.5 mm ²))
Contact diameter	1.6 mm
Insertion/withdrawal cycles	≥ 500
Minimum housing height	52 mm

General

Note	For HEAVYCON housing type B6 to B48, HC-M-B...MF-... hinged module carrier frame required, CK1,6-ED... crimp contacts, crimp contacts not supplied as standard.
Series	HC-M-12
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

Material data

Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

Standards and Regulations

Flammability rating according to UL 94	V0
--	----

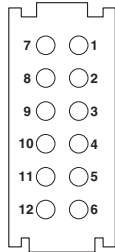
Environmental Product Compliance

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

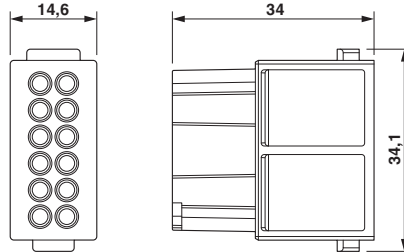
Drawings

Contact insert module - HC-M-12-CT-F - 1414355

Schematic diagram

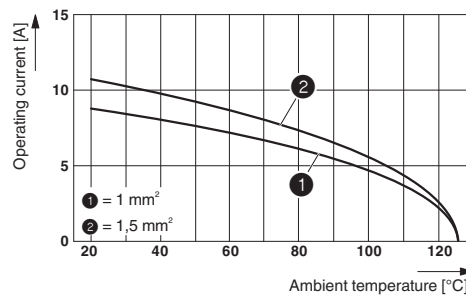


Dimensional drawing



Connector pin assignment, connection side

Diagram



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

Classifications

eCl@ss

eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 8.0	27440205
eCl@ss 9.0	27440217

ETIM

ETIM 5.0	EC000438
ETIM 6.0	EC000438
ETIM 7.0	EC000438

UNSPSC

UNSPSC 13.2	39121421
-------------	----------

Contact insert module - HC-M-12-CT-F - 1414355

Approvals


Approvals


Approvals


CSA / UL Recognized / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		250 V	
Nominal current IN		12 A	
mm ² /AWG/kcmil		14	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
Nominal voltage UN		250 V	
Nominal current IN		16 A	
mm ² /AWG/kcmil		14	

EAC		RU C- DE.AI30.B.01102
-----	---	--------------------------

Accessories

Accessories

Assembly tool

Contact insert module - HC-M-12-CT-F - 1414355

Accessories

Contact removal tool - VC-EW 1,6 - 1884869



Contact removal tool, for turned and rolled CK- 1.6-... contacts

Polisher - POLISHER-POF - 1686122



Polisher, made of metal, for CK1,6-...POF contacts, POF conductor diameter: 2.2 mm

Coding element

Dummy socket - CK1,6-ED-BB - 1645888



Dummy socket for contact carrier with turned CK 1,6-ED.. female contacts

Crimp contact

Crimp contact - CK1,6-ED-0,37BU AG - 1663394



Turned 1.6 crimp contact, individual female contact, core diameter 0.14 to 0.37 mm², silver-plated

Crimp contact - CK1,6-ED-0,50BU AG - 1663404



Turned 1.6 crimp contact, individual female contact, core diameter 0.5 mm², silver-plated

Contact insert module - HC-M-12-CT-F - 1414355

Accessories

Crimp contact - CK1,6-ED-0,75BU AG - 1663417



Turned 1.6 crimp contact, individual female contact, core diameter 0.75 mm², silver-plated

Crimp contact - CK1,6-ED-1,00BU AG - 1663420



Turned 1.6 crimp contact, individual female contact, core diameter 0.75 to 1.00 mm², silver-plated

Crimp contact - CK1,6-ED-1,50BU AG - 1663433



Turned 1.6 crimp contact, individual female contact, core diameter 1.5 mm², silver-plated

Crimp contact - CK1,6-ED-2,50BU AG - 1663446



Turned 1.6 crimp contact, individual female contact, core diameter 2.5 mm², silver-plated

Crimp contact - CK1,6-ED-0,37BU AU - 1674969



Turned 1.6 crimp contact, individual female contact, core diameter 0.14 to 0.37 mm², gold-plated

Contact insert module - HC-M-12-CT-F - 1414355

Accessories

Crimp contact - CK1,6-ED-0,50BU AU - 1674480



Turned 1.6 crimp contact, individual female contact, core diameter 0.5 mm², gold-plated

Crimp contact - CK1,6-ED-0,75BU AU - 1672440



Turned 1.6 crimp contact, individual female contact, core diameter 0.75 mm², gold-plated

Crimp contact - CK1,6-ED-1,00BU AU - 1674943



Turned 1.6 crimp contact, individual female contact, core diameter 0.75 to 1.00 mm², gold-plated

Crimp contact - CK1,6-ED-1,50BU AU - 1674930



Turned 1.6 crimp contact, individual female contact, core diameter 1.5 mm², gold-plated

Crimp contact - CK1,6-ED-2,50BU AU - 1674985



Turned 1.6 crimp contact, individual female contact, core diameter 2.5 mm², gold-plated

Crimping tool

Contact insert module - HC-M-12-CT-F - 1414355

Accessories

Crimping pliers - CRIMPFOX-TC 4 - 1212113



Crimping pliers, for CK 1,6-ED..., CK 2,5-ED..., CK 4,0-ED... turned contacts, 4 marked die stations, unlockable pressure lock, lateral entry, incl. positioning tool

Crimping pliers - CRIMPFOX-1,6-ED-POF-N - 1584839



Crimping pliers for turned fiber optics contacts CK1,6-ED...POF

Fiber optics contact

Female contact - CK1,6-ED-BU-POF - 1885004



POF fiber optic socket contact, turned, for contact carriers (HC-DD...I-CT.../ HC-M-12-CT-F.../ HC-M-17-CT-F...) of CK1,6-ED... contacts

Module carrier frame

Module carrier frame - HC-M-B06-MF-B - 1417398



Module carrier frame, size: B6, type : for the panel mounting side (a, b, c, ...) V, 4 mm² ... 6 mm², application: Module carrier frame

Module carrier frame - HC-M-B10-MF-B - 1417399



Module carrier frame, size: B10, type : for the panel mounting side (a, b, c, ...) V, 4 mm² ... 6 mm², application: Module carrier frame

Contact insert module - HC-M-12-CT-F - 1414355

Accessories

Module carrier frame - HC-M-B16-MF-B - 1417400



Module carrier frame, size: B16, type : for the panel mounting side (a, b, c, ...) V, 4 mm² ... 6 mm², application: Module carrier frame

Module carrier frame - HC-M-B24-MF-B - 1417402



Module carrier frame, size: B24, type : for the panel mounting side (a, b, c, ...) V, 4 mm² ... 6 mm², application: Module carrier frame

Module carrier frame - HC-M-B06-MF-H - 1417403



Module carrier frame, size: B6, type : for the sleeve side (A, B, C, ...) V, 4 mm² ... 6 mm², application: Module carrier frame

Module carrier frame - HC-M-B10-MF-H - 1417404



Module carrier frame, size: B10, type : for the sleeve side (A, B, C, ...) V, 4 mm² ... 6 mm², application: Module carrier frame

Module carrier frame - HC-M-B16-MF-H - 1417405



Module carrier frame, size: B16, type : for the sleeve side (A, B, C, ...) V, 4 mm² ... 6 mm², application: Module carrier frame

Contact insert module - HC-M-12-CT-F - 1414355

Accessories

Module carrier frame - HC-M-B24-MF-H - 1417406



Module carrier frame, size: B24, type : for the sleeve side (A, B, C, ...) V, 4 mm² ... 6 mm², application: Module carrier frame