

Contact insert module - HC-M-12-PT-F - 1424228

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, Push-in connection, 250 V, 10 A, 0.14 mm² ... 1.5 mm², application: Signal

Your advantages

- ✓ Easy installation without tools, even when mounted, with push-in connection technology
- ✓ Shortest installation time compared to other connection technologies
- ✓ Quick and effortless wiring, in particular when space is tight
- ✓ Automatic cabling with robots possible
- ✓ Safe wiring and operation with color-coded actuators
- ✓ Shock and vibration-resistant in accordance with DIN EN 61373



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 369594
GTIN	4055626369594
Weight per Piece (excluding packing)	20.000 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

Dimensions

Height	36.3 mm
Width	34.1 mm
Length	14.6 mm

Contact insert module - HC-M-12-PT-F - 1424228

Technical data

Electrical characteristics

Rated voltage (III/3)	250 V
Rated voltage (III/2)	400 V
Rated current	10 A
Rated surge voltage	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (III/3)	4 kV
Connection profile	12

Ambient conditions

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

Mechanical characteristics

Conductor cross section	0.14 mm ² ... 1.5 mm ²
Connection cross section AWG	26 ... 16
Stripping length of the individual wire	8 mm
Contact diameter	1.6 mm
Insertion/withdrawal cycles	≥ 500

General

Note	only use flexible conductors with ferrules
	Connectors may be operated only when there is no load/voltage.
	For HEAVYCON housing type B6 to B48, HC-M-B...MF-... hinged module carrier frame required.
Series	HC-M-12
Color	light gray
Number of module slots	1
Connection method	Push-in 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
Contact carrier type	modular

Material data

Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

Standards and Regulations

Contact insert module - HC-M-12-PT-F - 1424228

Technical data

Standards and Regulations

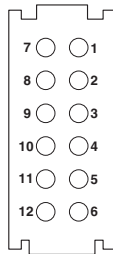
Flammability rating according to UL 94	V0
--	----

Environmental Product Compliance

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

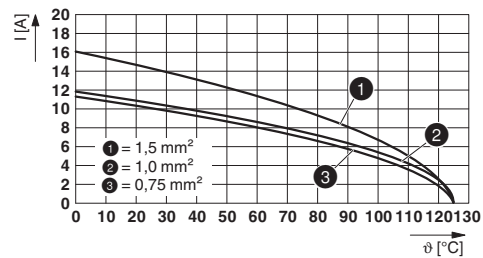
Drawings

Schematic diagram



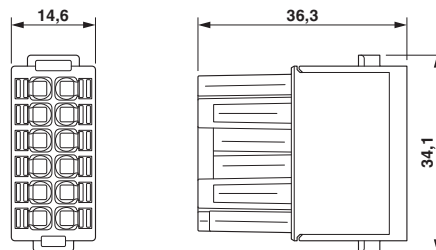
Connector pin assignment, connection side

Diagram



Derating diagram

Dimensional drawing



Dimensional drawing

Classifications

eCl@ss

eCl@ss 10.0.1	27440217
eCl@ss 11.0	27440217
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440207
eCl@ss 9.0	27440217

Contact insert module - HC-M-12-PT-F - 1424228

Classifications

ETIM

ETIM 6.0	EC000438
ETIM 7.0	EC000438

Approvals

Approvals

Approvals

EAC / EAC / UL Recognized

Ex Approvals

Approval details

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

EAC		RU C- DE.BL08.B.00511
-----	--	--------------------------

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
---------------	--	---	---------

Nominal voltage UN	600 V
Nominal current IN	10 A
mm ² /AWG/kcmil	16

Accessories

Accessories

Crimping tool

Contact insert module - HC-M-12-PT-F - 1424228

Accessories

Crimping pliers - CRIMPFOX CENTRUS 6S - 1213144



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm² ... 6 mm², also for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, lateral insertion, equipped with fall protection

Crimping pliers - CRIMPFOX CENTRUS 10S - 1213154



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm² ... 10 mm², also for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, lateral insertion, equipped with fall protection

Module carrier frame

Module carrier frame - HC-M-B06-MFH-B - 1182085



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

Module carrier frame - HC-M-B10-MFH-B - 1182088



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

Module carrier frame - HC-M-B16-MFH-B - 1182090



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

Contact insert module - HC-M-12-PT-F - 1424228

Accessories

Module carrier frame - HC-M-B24-MFH-B - 1182094



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

Module carrier frame - HC-M-B06-MFH-H - 1182087



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

Module carrier frame - HC-M-B10-MFH-H - 1182089



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

Module carrier frame - HC-M-B16-MFH-H - 1182093



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

Module carrier frame - HC-M-B24-MFH-H - 1182095



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

Additional products

Contact insert module - HC-M-12-PT-F - 1424228

Accessories

Contact insert module - HC-M-12-PT-M - 1424246



Contact insert module, number of positions: 12, power contacts: 0, control contacts: 12, Pin, Push-in connection, 250 V, 10 A, 0.14 mm² ... 1.5 mm², application: Signal