

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

1414354

ID:1414354

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

Commercial Data

Item number	1414354
Packing unit	5 pc
Minimum order quantity	5 pc
Product Key	BF7ACE
Catalog Page	Page 581 (C-2-2019)
GTIN	4055626024677
Weight per Piece (including packing)	9.2 g
Weight per Piece (excluding packing)	8.92 g
Customs tariff number	85389099
Country of origin	PL

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

1414354

ID:1414354

Technical Data

Notes

General	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.
General	Connectors may be operated only when there is no load/voltage.

Product properties

Product type	Modular contact insert
Number of positions	12
Connection profile	12
Application	Signal
Number of module slots	1
No. of power contacts	0
No. of control contacts	12
Contact type	turned
	rolled
Series	HC-M-12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

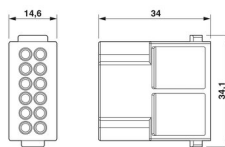
Connection technology

Connection technology	Crimp connection
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Conductor connection

Conductor cross section	0.14 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))

Dimensions

Dimensional drawing	
Width	34.2 mm
Height	34 mm
Length	14.6 mm

Mechanical characteristics

Minimum housing height	52 mm
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Contact insert module - HC-M-12-CT-M

Contact diameter	1.6 mm
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Electrical properties

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV
Rated current	10 A

Material specifications

Color	light grey
Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Connector

Insertion/withdrawal cycles	≥ 500
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Cable / line

Stripping length of the individual wire	8 mm (6 mm (for 2.5 mm²))
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Mounting

Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
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Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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Standards and regulations

Testing

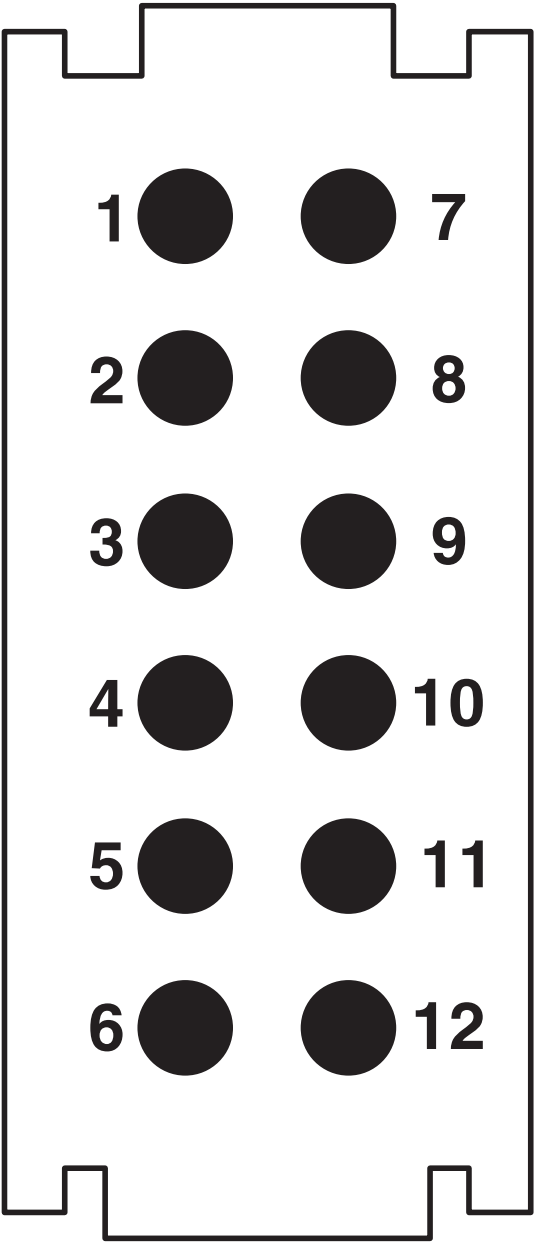
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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1414354
ID:1414354

Drawings

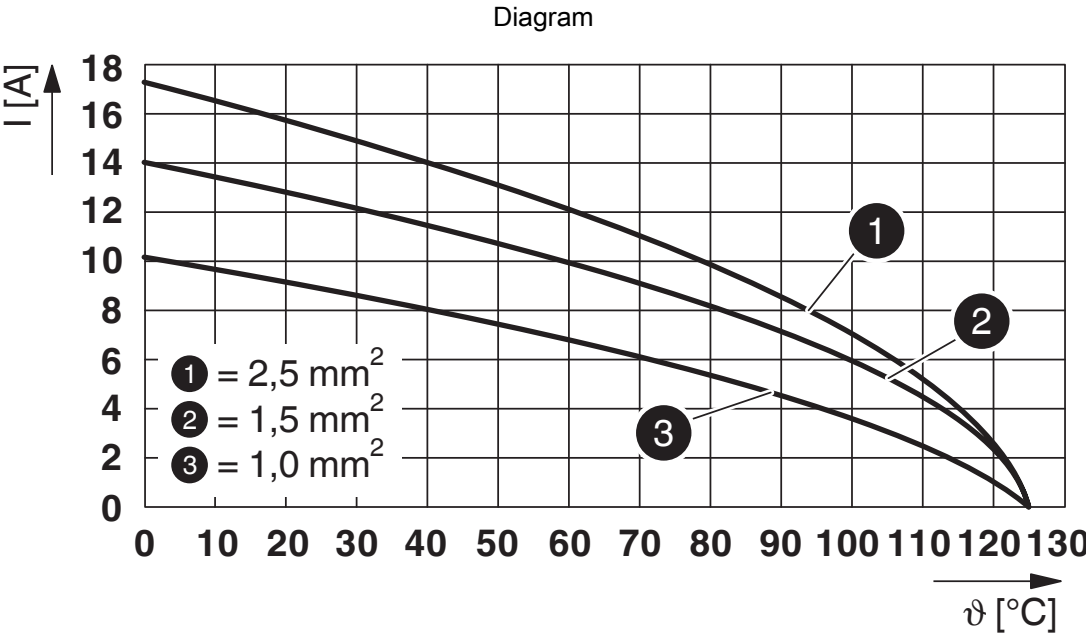
Schematic diagram



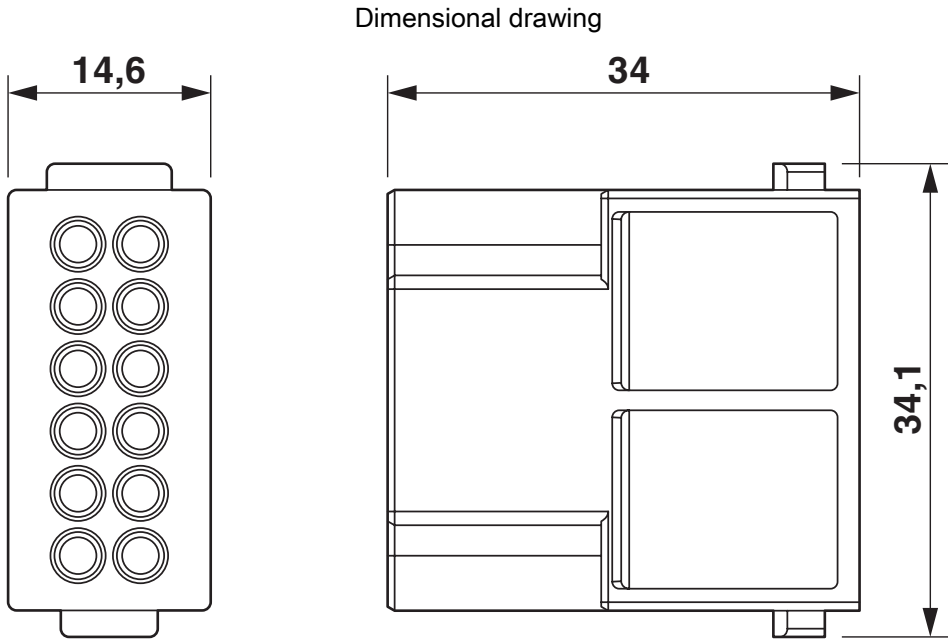
Connector pin assignment, connection side

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

1414354
ID:1414354



Derating diagram turned contacts



Male insert

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

1414354

ID:1414354

Approvals

DNV

Approval ID: TAE000037S



CSA

Approval ID: 13631

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	600 V	12 A	- 14	-



UL Recognized

Approval ID: E118976

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	600 V	16 A	- 14	-



EAC

Approval ID: RU C-DE.AI30.B.01102



EAC

Approval ID: RU C-DE.BL08.B.00511

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

1414354

ID:1414354

Classifications

ECLASS

ECLASS-9.0	27440217
ECLASS-10.0.1	27440217
ECLASS-11.0	27440217

ETIM

ETIM 8.0	EC000438
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UNSPSC

UNSPSC 21.0	39121400
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1414354

ID:1414354

Environmental Product Compliance

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

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1414354

ID:1414354

Accessories

Coding element

Coding element - HC-CBU-MOD - 1636130

ID:1636130



Coding socket for coding up to 16 connectors, for HC Modular

Coding element

Coding element - HC-CST-MOD - 1636127

ID:1636127



Coding peg for coding up to 16 connectors, for HC Modular

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1414354

ID:1414354

Crimping pliers

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

ID:1584839



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

Contact removal tool

Contact removal tool - UNIFOX RT-CK 1.6 - 1072069

ID:1072069



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

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

1414354

ID:1414354

Assembly tool

Assembly tool - UNIFOX MT-CK 1.6/2.5 - 1089092

ID:1089092



Assembly tool, for CK 1.6... crimp contacts for small conductor cross sections

Cable lug

Cable lug - HC-M-MHR-PE16 - 1636981

ID:1636981



Cable lug for HEAVYCON-MODULAR; PE connection extension to 16 mm², for crimping with crimp pliers

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

1414354

ID:1414354

Crimp contact

Crimp contact - CK1,6-ED-0,37ST AG - 1663336

ID:1663336



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.14 mm² ... 0.37 mm², AWG 26 ... 22

Crimp contact

Crimp contact - CK1,6-ED-0,50ST AG - 1663349

ID:1663349



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 0.5 mm² ... 0.5 mm², AWG 20

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

1414354

ID:1414354

Crimp contact

Crimp contact - CK1,6-ED-0,75ST AG - 1663352

ID:1663352



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.75 mm² ... 0.75 mm², AWG 18

Crimp contact

Crimp contact - CK1,6-ED-1,00ST AG - 1663365

ID:1663365



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 1 mm² ... 1 mm², AWG 18

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

1414354

ID:1414354

Crimp contact

Crimp contact - CK1,6-ED-1,50ST AG - 1663378

ID:1663378



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 1.5 mm² ... 1.5 mm², AWG 16

Crimp contact

Crimp contact - CK1,6-ED-2,50ST AG - 1663381

ID:1663381



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 2.5 mm² ... 2.5 mm², AWG 14

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

1414354

ID:1414354

Male contact

Male contact - CK1,6-ED-ST-POF - 1884995

ID:1884995



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

Crimp contact

Crimp contact - CK1,6-ED-0,37M AG - 1266193

ID:1266193



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.14 mm² ... 0.34 mm², AWG 26 ... 22, Lead-free

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

1414354

ID:1414354

Crimp contact

Crimp contact - CK1,6-ED-0,50M AG - 1266195

ID:1266195



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 0.5 mm² ... 0.5 mm², AWG 20, Lead-free

Crimp contact

Crimp contact - CK1,6-ED-1,50M AG - 1266245

ID:1266245



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 1.5 mm² ... 1.5 mm², AWG 16, Lead-free

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

1414354

ID:1414354

Crimp contact

Crimp contact - CK1,6-ED-0,75M AG - 1266450

ID:1266450



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.75 mm² ... 0.75 mm², AWG 18, Lead-free

Crimp contact

Crimp contact - CK1,6-ED-1,00M AG - 1266244

ID:1266244



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 1 mm² ... 1 mm², AWG 18, Lead-free

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

1414354

ID:1414354

Crimp contact

Crimp contact - CK1,6-ED-2,50M AG - 1266247

ID:1266247



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 2.5 mm² ... 2.5 mm², AWG 14, Lead-free

Crimp contact

Crimp contact - CK1,6-ED-0,37ST AU - 1674901

ID:1674901



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 0.14 mm² ... 0.37 mm², AWG 22 ... 24

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

1414354

ID:1414354

Crimp contact

Crimp contact - CK1,6-ED-0,50ST AU - 1672453

ID:1672453



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 0.5 mm² ... 0.5 mm², AWG 20

Crimp contact

Crimp contact - CK1,6-ED-0,75ST AU - 1674914

ID:1674914



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 0.75 mm² ... 0.75 mm², AWG 18

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

1414354

ID:1414354

Crimp contact

Crimp contact - CK1,6-ED-1,00ST AU - 1674888

ID:1674888



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 1 mm² ... 1 mm², AWG 18

Crimp contact

Crimp contact - CK1,6-ED-1,50ST AU - 1674875

ID:1674875



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 1.5 mm² ... 1.5 mm², AWG 16

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

1414354

ID:1414354

Crimp contact

Crimp contact - CK1,6-ED-2,50ST AU - 1674927

ID:1674927



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 2.5 mm² ... 2.5 mm², AWG 14

Crimp contact

Crimp contact - CK1,6-ER-1,00ST OIC AG - 1004360

ID:1004360



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 0.34 mm² ... 1 mm², AWG 22 ... 17

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

1414354

ID:1414354

Crimp contact

Crimp contact - CK1,6-ER-2,50ST OIC AG - 1004365

ID:1004365



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 1.5 mm² ... 2.5 mm², AWG 16 ... 14

Crimp contact

Crimp contact - CK1,6-BR-1,00ST OIC AG - 1004380

ID:1004380



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 0.34 mm² ... 1 mm², AWG 22 ... 17, Taped products

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

1414354

ID:1414354

Crimp contact

Crimp contact - CK1,6-BR-2,50ST OIC AG - 1004382

ID:1004382

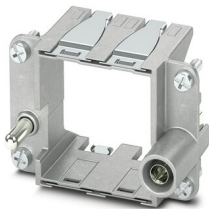


Crimp contact, contact diameter: 1.6 mm, rolled, Pin, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 1.5 mm² ... 2.5 mm², AWG 16 ... 14, Taped products

Module carrier frame

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

ID:1182085



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

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

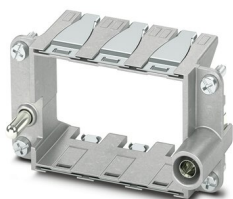
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Module carrier frame

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

ID: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

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

ID: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-CT-M

1414354

ID:1414354

Module carrier frame

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

ID: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

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

ID:1182087

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



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

1414354

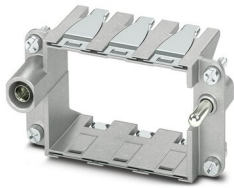
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Module carrier frame

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

ID:1182089

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

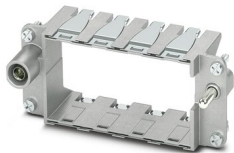


Module carrier frame

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

ID:1182093

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



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

1414354

ID:1414354

Module carrier frame

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

ID:1182095

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



Crimping pliers with digital display

Crimping pliers with digital display - CRIMPFOX-TC MP-6 - 1202888

ID:1202888



Crimping tool, for turned contacts, universal cross-section setting, up to a maximum of 6.0 mm², digital display with 0.01 mm increments, pressure lock can be unlocked, positioning tool necessary as an accessory for contact positioning

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

1414354

ID:1414354

Crimping pliers

Crimping pliers - CRIMPFOX-1,6/2,5-ED-4,0 - 1687419

ID:1687419



Crimping pliers, for turned contacts, CK 1.6 ED... and CK 2.5 ED...

Crimping pliers

Crimping pliers - CRIMPFOX-TC 4 - 1212113

ID: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

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

1414354

ID:1414354

Contact insert module

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

ID:1414355



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