

Contact insert module - HC-M-02-CT-M-HV-16 - 1417408

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Contact insert module, number of positions: 2, power contacts: 2, control contacts: 0, Pin, Crimp connection, 2900 V/5000 V, 16 A, 0.5 mm² ... 4 mm², application: High-voltage



COMPLETE

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 112732
GTIN	4055626112732
Weight per Piece (excluding packing)	60.000 g
Custom tariff number	85389099
Country of origin	Poland

Technical data

Dimensions

Height	61.3 mm
Width	34.1 mm
Length	29.3 mm

Electrical characteristics

Rated voltage (III/3)	2900 V (Conductor-PE)
	5000 V (Conductor-Conductor)
Rated current	16 A
Rated surge voltage	15 kV
Connection profile	2

Ambient conditions

Contact insert module - HC-M-02-CT-M-HV-16 - 1417408

Technical data

Ambient conditions

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

Conductor cross section	0.5 mm ² ... 4 mm ²
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	9.5 mm
Contact diameter	2.5 mm
Wire diameter	2.5 mm
Wire diameter including insulation	8 mm
Insertion/withdrawal cycles	≥ 500
Minimum housing height	72 mm

General

Note	For HEAVYCON housing type B6 to B48, HC-M-B...MF-... hinged module carrier frame required, CK2,5-ED... imp contacts, crimp contacts not supplied as standard.
	Connectors may be operated only when there is no load/voltage.
Series	HC-M-HV
Color	light gray
Number of module slots	2
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
Connection	Assembly procedure: - Strip wire 9.5 mm, - connect the stripped part of the wire through the locking sleeve (for wire diameter > 3.2 mm), - crimp wire (with protracted locking sleeve) with CK2.5...ED crimp contact, - lock the locking sleeve with the crimp contact together with the module's insulating body.

Material data

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

Standards and Regulations

Flammability rating according to UL 94	V0
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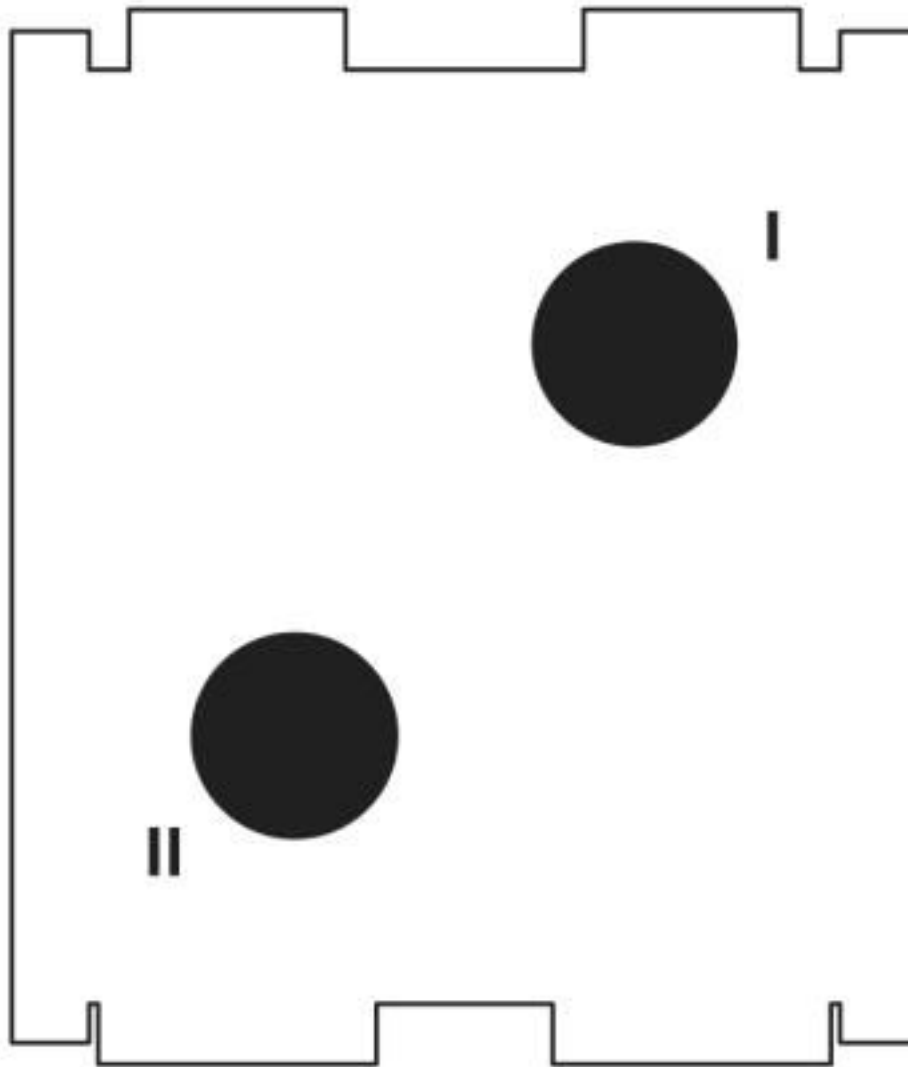
Technical data

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

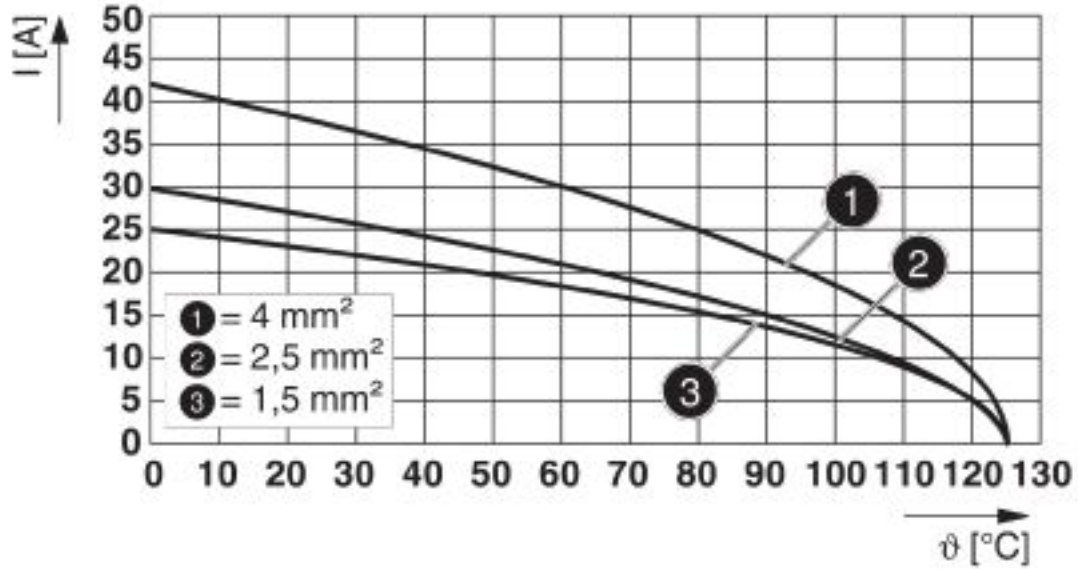
Drawings

Schematic diagram



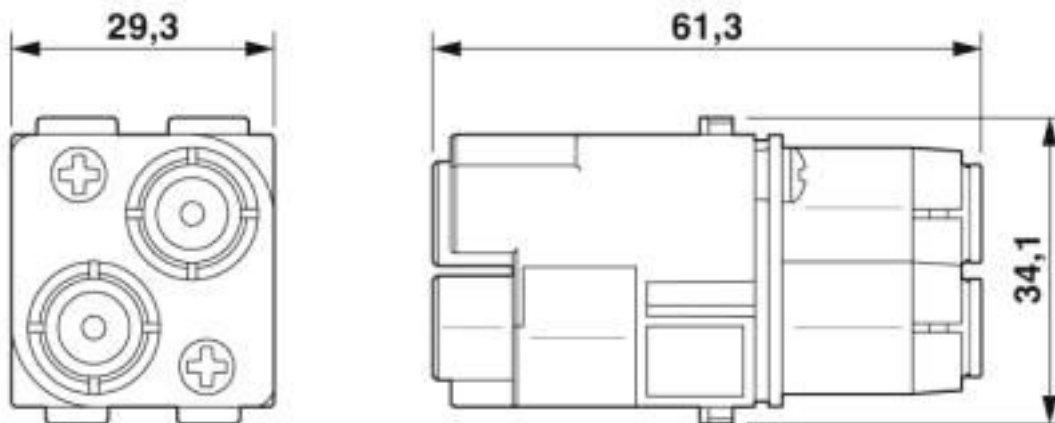
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Diagram



Derating diagram

Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27440217
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205

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Classifications

eCl@ss

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
UNSPSC 18.0	39121421
UNSPSC 19.0	39121421
UNSPSC 20.0	39121421
UNSPSC 21.0	39121421

Approvals


Approvals

Approvals

CSA / UL Recognized / EAC / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN	600 V		
Nominal current IN	24 A		
mm ² /AWG/kcmil	12		

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Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
Nominal voltage UN		600 V	
Nominal current IN		28 A	
mm ² /AWG/kcmil		12	

EAC		RU C- DE.AI30.B.01102
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EAC		RU C- DE.BL08.B.00511
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Accessories

Accessories

Crimp contact

Crimp contact - CK2,5-ED-0,50ST AG - 1663572



Turned 2.5 crimp contact, individual male contact, core diameter 0.5 mm², silver-plated

Crimp contact - CK2,5-ED-0,75ST AG - 1663585



Turned 2.5 crimp contact, individual male contact, core diameter 0.75 mm², silver-plated

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Accessories

Crimp contact - CK2,5-ED-1,00ST AG - 1663598



Turned 2.5 crimp contact, individual male contact, core diameter 0.75 to 1.00 mm², silver-plated

Crimp contact - CK2,5-ED-1,50ST AG - 1663608



Turned 2.5 crimp contact, individual male contact, core diameter 1.5 mm², silver-plated

Crimp contact - CK2,5-ED-2,50ST AG - 1663611



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

Crimp contact - CK2,5-ED-3,00ST AG - 1663624



Turned 2.5 crimp contact, individual male contact, core diameter 3.00 mm², silver-plated

Crimp contact - CK2,5-ED-4,00ST AG - 1663637



Turned 2.5 crimp contact, individual male contact, core diameter 4.00 mm², silver-plated

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Accessories

Crimp contact - CK2,5-ED-0,50ST AU - 1674804



Turned 2.5 crimp contact, individual male contact, core diameter 0.5 mm², gold-plated

Crimp contact - CK2,5-ED-1,00ST AU - 1674781



Turned 2.5 crimp contact, individual male contact, core diameter 0.75 to 1.0 mm², gold-plated

Crimp contact - CK2,5-ED-1,50ST AU - 1674778



Turned 2.5 crimp contact, individual male contact, core diameter 1.5 mm², gold-plated

Crimp contact - CK2,5-ED-2,50ST AU - 1674817



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

Crimp contact - CK2,5-ED-4,00ST AU - 1674794



Turned 2.5 crimp contact, individual male contact, core diameter 4.00 mm², gold-plated

Crimping tool

Contact insert module - HC-M-02-CT-M-HV-16 - 1417408

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

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

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

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Accessories

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-02-CT-F-HV-16 - 1417407



Contact insert module, number of positions: 2, power contacts: 2, control contacts: 0, Socket, Crimp connection, 2900 V/5000 V, 16 A, 0.5 mm² ... 4 mm², application: High-voltage
