

Contact insert - HC-A16-I-PT-M-32 - 1585391

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Contact insert, number of positions: 16+PE, size: D25, Pin, Push-in connection, 250 V, 16 A, 0.14 mm² ... 2.5 mm²



COMPLETE™

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 285124
GTIN	4046356285124
Weight per Piece (excluding packing)	60.000 g
Custom tariff number	85366990
Country of origin	China

Technical data

General

Note	only use flexible conductors with ferrules
	Connectors may be operated only when there is no load/voltage.
	for HC-D25 / HC-D 50 housing
Connection method	Push-in connection
Torque	0.7 Nm ... 1 Nm (PE connection)
	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Screwdriver blade	0.5 x 3.5 mm
Degree of pollution	3
Overvoltage category	III
Number of positions	16+PE

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Technical data

General

Insertion/withdrawal cycles	≥ 500
Size	D25
	D50
Contact numbering	17 - 32
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
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
Connection	for plastic coding profiles: 4 pcs.

Ambient conditions

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

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

Electrical characteristics

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV
	4 kV
Rated current	16 A

Standards and Regulations

Flammability rating according to UL 94	V0
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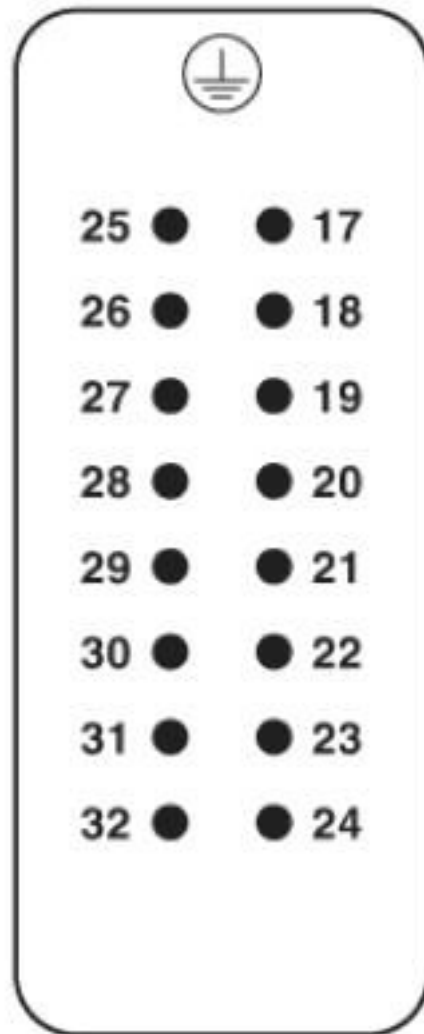
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

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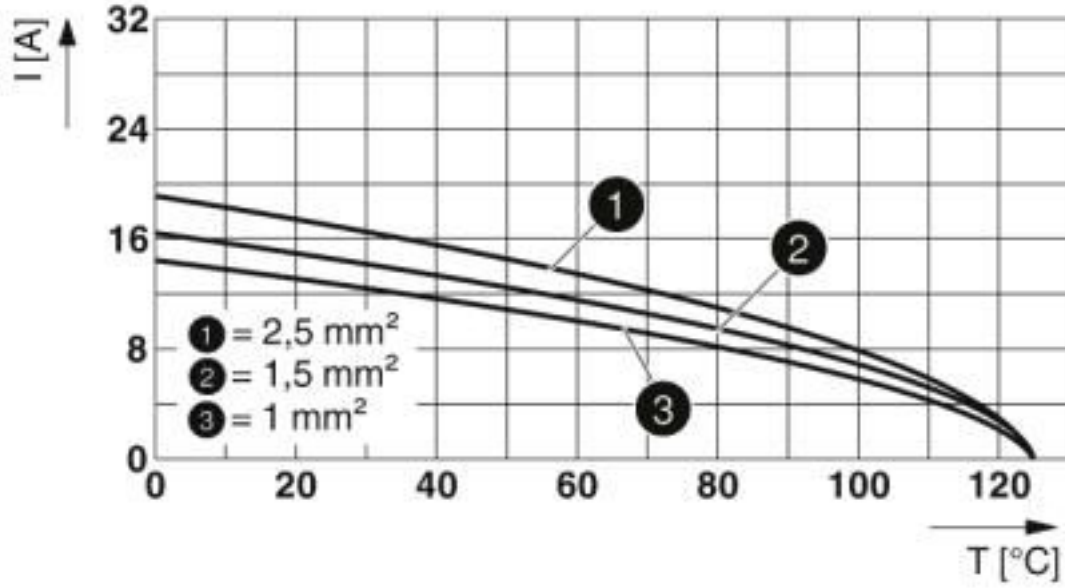
Schematic diagram



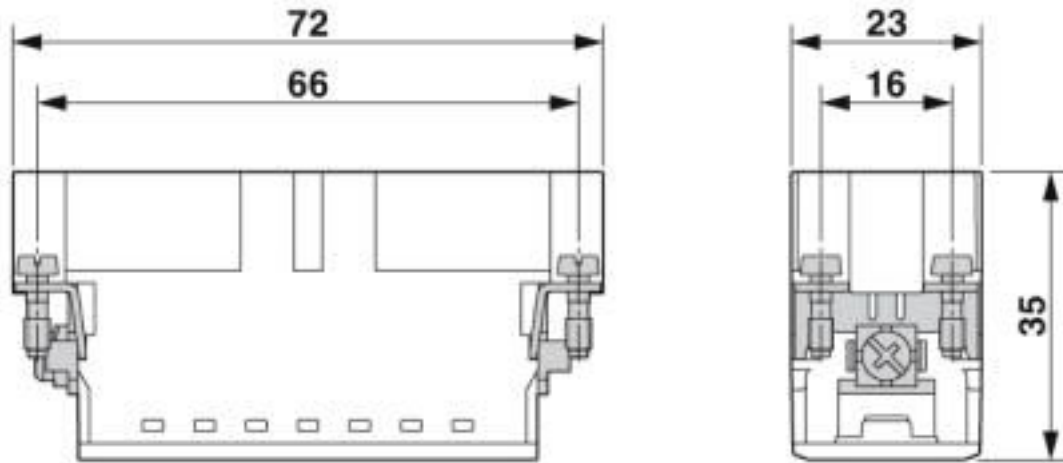
Connector pin assignment, connection side

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Diagram



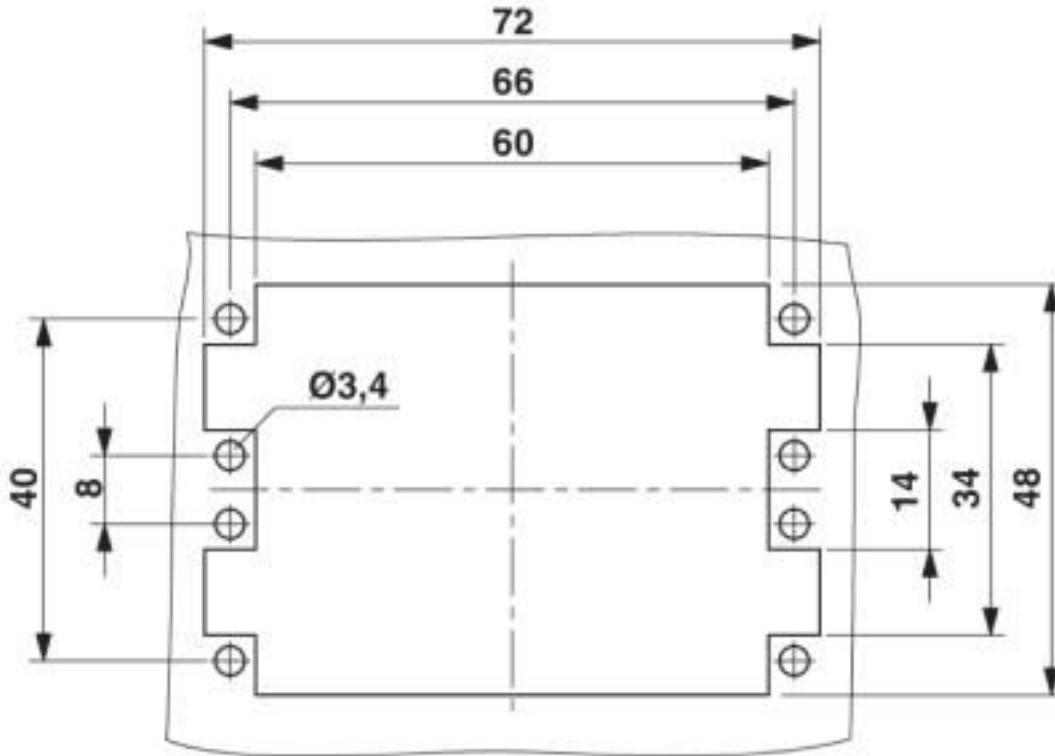
Dimensional drawing



Male insert

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Dimensional drawing



Mounting cutout when used without housing

Classifications

eCl@ss

eCl@ss 10.0.1	27440205
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 4.0	EC000438
ETIM 5.0	EC000438

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Classifications

ETIM

ETIM 6.0	EC000438
ETIM 7.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

Approvals


Approvals

Approvals

CSA / UL Recognized / DNV GL / EAC / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN	600 V		
Nominal current IN	13 A		
mm ² /AWG/kcmil	14		

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Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm	E118976
Nominal voltage UN		600 V	
Nominal current IN		16 A	
mm ² /AWG/kcmil		14	

DNV GL		https://approvalfinder.dnvgl.com/	TAE000037S
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EAC		EAC-Zulassung
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EAC		RU C- DE.BL08.B.00511
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Accessories

Accessories

Coding element

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

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Accessories

Coding bolt - HC-CB - 1772722



Coding pin, prevents mismatching of up to six connectors with an identical number of positions

Coding profile - CP-HC-S - 1410916



Coding profile, 4 elements per star, for insertion in a coding keyway, for contact inserts HC-BB... / HC-A10-I-UT... / HC-A16-I-UT...

Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

Mounting material

Screw - HC-A-PES - 1584868



PE screw for contact inserts of A series

Additional products

Contact insert - HC-A16-I-PT-M-32 - 1585391

Accessories

Contact insert - HC-A16-I-PT-F-32 - 1585401



Contact insert, number of positions: 16+PE, size: D25, Socket, Push-in connection, 250 V, 16 A, 0.14 mm² ... 2.5 mm²