

Contact insert - HC-A16-I-UT-M 17-32 - 1585333

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HEAVYCON pin insert, A16 series, 16-pos., screw connection, numbering from 17 ... 32

Your advantages

- ✓ can be coded with plastic coding profile (order number 1410916)
- ✓ for a test pin 2 mm in diameter



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 285063
GTIN	4046356285063

Technical data

General

Note	for HC-D25 / HC-D 50 housing
	Connectors may be operated only when there is no load/voltage.
Connection method	Screw connection
Tightening torque	0.5 Nm
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
Insertion/withdrawal cycles	≥ 500
Size	D25
	D50

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Technical data

General

Contact numbering	17 - 32
Conductor cross section	0.5 mm ² ... 2.5 mm ² (applies to stranded conductors with ferrules)
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	7 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
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

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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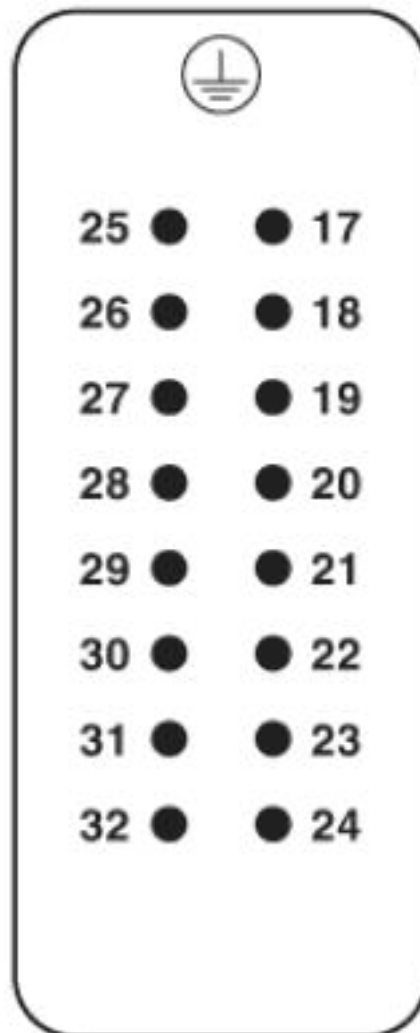
Environmental Product Compliance

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

Contact insert - HC-A16-I-UT-M 17-32 - 1585333

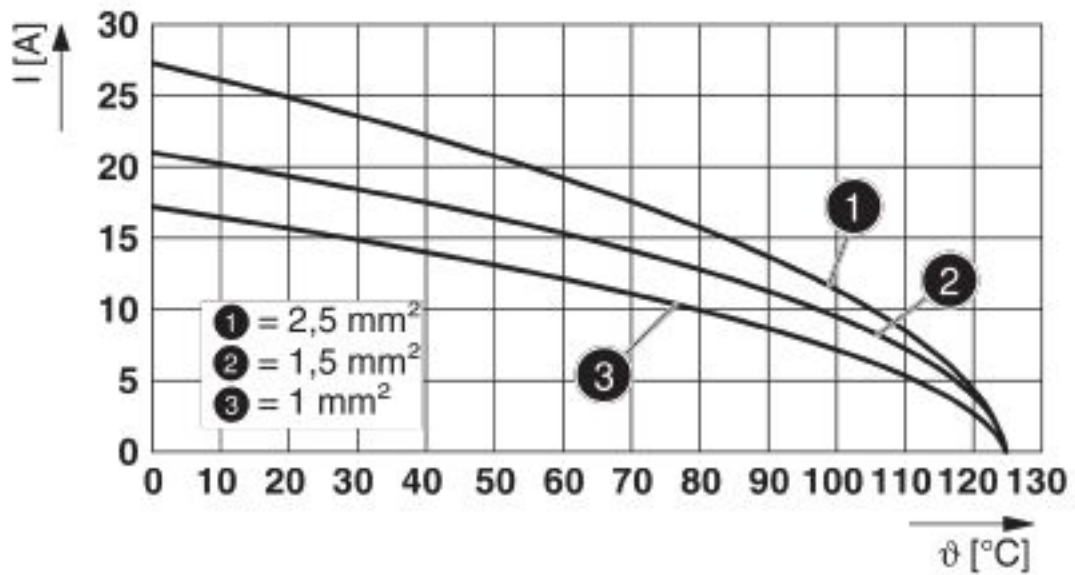
Schematic diagram



Connector pin assignment, connection side

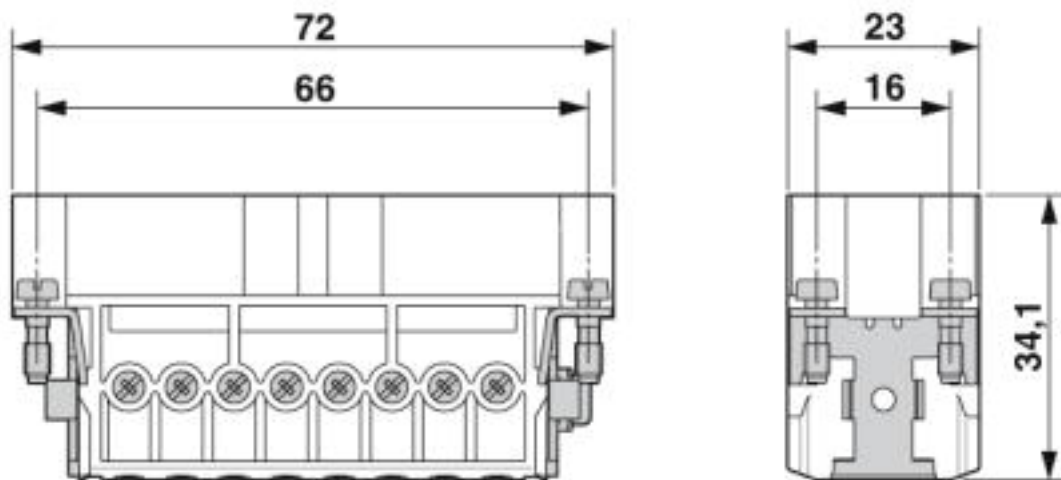
Contact insert - HC-A16-I-UT-M 17-32 - 1585333

Diagram



Derating diagram

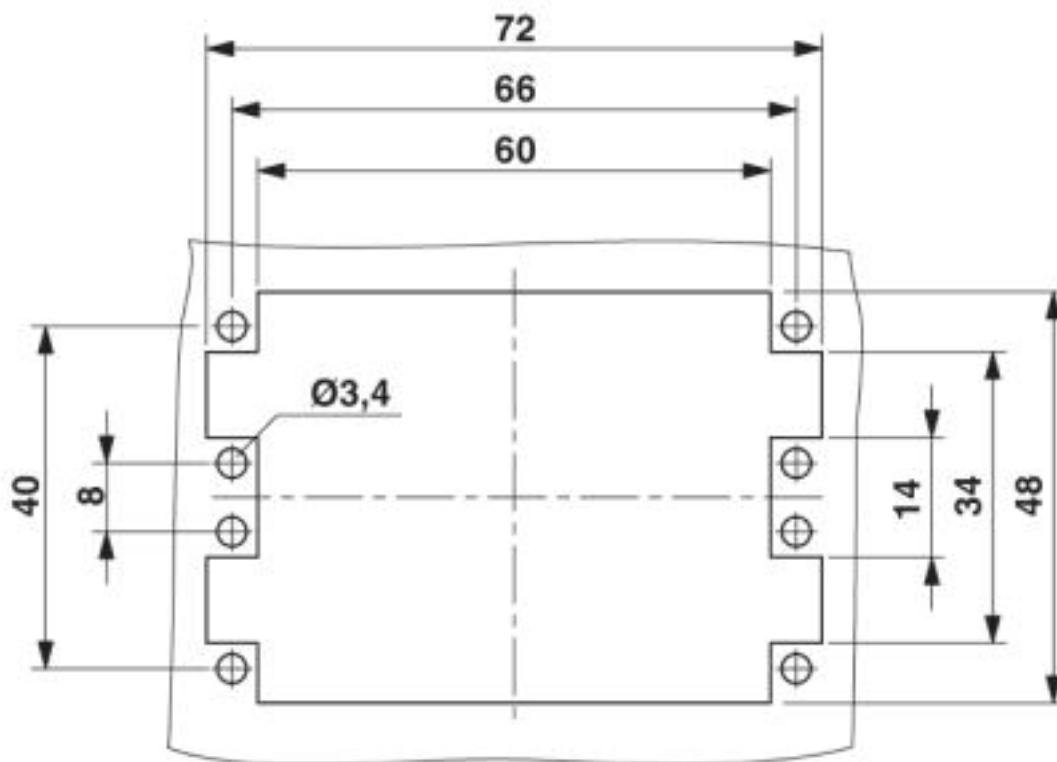
Dimensional drawing



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
ETIM 6.0	EC000438
ETIM 7.0	EC000438

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Classifications

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 / EAC / EAC / CSA / EAC / EAC / UL Recognized / UL Recognized / DNV GL / DNV GL

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
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EAC			RU C- DE.AI30.B.01102
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EAC			RU C- DE.AI30.B.01102
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CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		600 V	
Nominal current IN		15 A	
mm²/AWG/kcmil		14	

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Approvals

EAC		RU C- DE.BL08.B.00511
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EAC		RU C- DE.BL08.B.00511
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
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Nominal voltage UN	600 V
Nominal current IN	19 A
mm²/AWG/kcmil	14

DNV GL		https://approvalfinder.dnvgl.com/	TAE000037S
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DNV GL		https://approvalfinder.dnvgl.com/	TAE000037S
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Accessories

Accessories

Coding element

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

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Accessories

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

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...

DIN rail mounting frame

DIN rail mounting frame - HC-SMR-D25 - 1604023



HEAVYCON DIN rail mounting frame, for contact inserts of type D25

Mounting material

Screw - HC-A-PES - 1584868



PE screw for contact inserts of A series

Additional products

Contact insert - HC-A16-I-UT-M 17-32 - 1585333

Accessories

Contact insert - HC-A16-I-UT-F 17-32 - 1585346



HEAVYCON socket insert, A16 series, 16-pos., screw connection, numbering from 17 ... 32

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