

# Contact insert - HC-A03-I-UT-M - 1585210

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Contact insert, number of positions: 3+PE, size: D7, number of connections per position: 1, Pin, Screw connection, 230 V/400 V, 16 A, 0.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

## Product Description

Contact insert  
without wire protection, with IP65 sealing screw



## Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356284943

## Technical data

### General

Note	for housing HC-D7
	Connectors may be operated only when there is no load/voltage.
Connection method	Screw connection
Tightening torque	0.25 Nm ... 0.5 Nm
Screwdriver blade	0.4 x 2.5 mm
Number of connections per position	1
Degree of pollution	3
Overvoltage category	III
Number of positions	3+PE
Insertion/withdrawal cycles	≥ 500
Size	D7
Contact numbering	1 - 3
Conductor cross section	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	5 mm

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## Technical data

### General

Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
Connection	Already includes one IP65 sealing screw

### Ambient conditions

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

Seal material	NBR, conductive
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 for power contacts	230/400 V
Rated voltage (III/3)	230 V (Conductor-PE)
	400 V (Conductor-Conductor)
Rated voltage (III/2)	415 V (Conductor-PE)
	690 V (Conductor-Conductor)
Rated surge voltage	4 kV
	4 kV
Rated current	16 A

### Standards and Regulations

Flammability rating according to UL 94	V0
Standards/regulations	acc. to DIN EN 45545-2

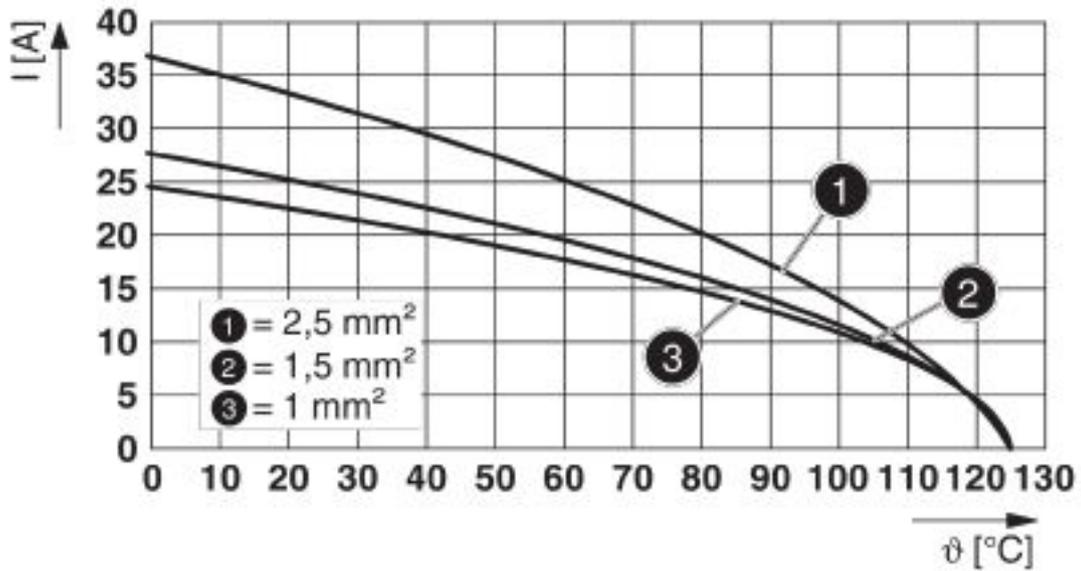
### Environmental Product Compliance

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

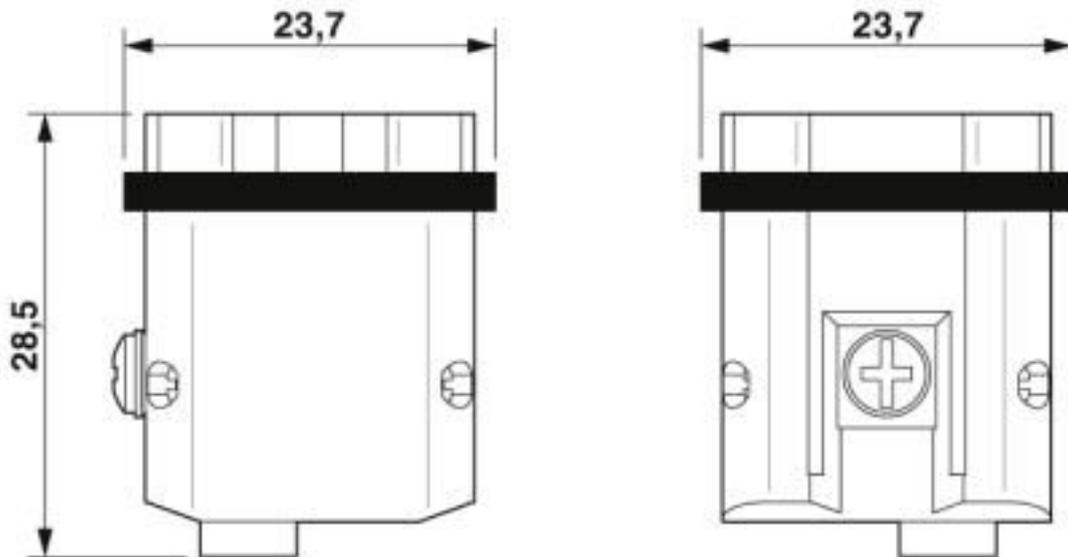
# Contact insert - HC-A03-I-UT-M - 1585210

Diagram



Derating diagram

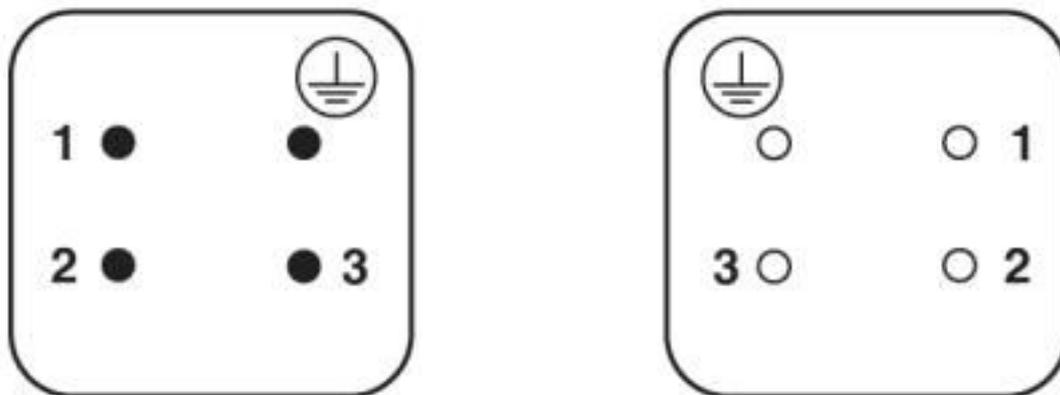
Dimensional drawing



Male insert

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Schematic diagram



Connector pin assignment connection side: Left pin; right socket

## 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

### 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

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## Approvals

### Approvals

#### Approvals

CSA / EAC / EAC / UL Recognized / DNV GL

#### Ex Approvals

### Approval details

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
Nominal voltage UN		600 V	
Nominal current IN		18 A	
mm <sup>2</sup> /AWG/kcmil		14	

EAC			RU C- DE.AI30.B.01102
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EAC			RU C- DE.BL08.B.00511
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UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E118976
Nominal voltage UN		600 V	
Nominal current IN		24 A	
mm <sup>2</sup> /AWG/kcmil		14	

DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAE000037S
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## Accessories

### Accessories

### Coding element

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## Accessories

Coding profile - HC-MOD-K-CP - 1408562

Coding profile for HC-MOD-K... housing



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## Mounting material

Sealing screw - HC-D 7-DS-IP65 - 1686229



Sealing screw, size: Countersunk head, IP67, replacement part for D7 size HEAVYCON housing

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## Seal

Profile gasket - HC-D07-SP-RBK - 1419622



Profile gasket, type: D7, for pin inserts

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## Additional products

Contact insert - HC-A03-I-UT-F - 1585223



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