

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, 10 A, 0.5 mm² ... 2.5 mm²

Product Description

Contact insert
without wire protection, with IP65 sealing screw



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 284943
GTIN	4046356284943
Weight per Piece (excluding packing)	20.000 g
Custom tariff number	85366990
Country of origin	China

Technical data

General

Note	for housing HC-D7
	Connectors may be operated only when there is no load/voltage.
Connection technology	Screw connection
Tightening torque	0.25 Nm ... 0.5 Nm
Torque	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Screwdriver blade	0.4 x 2.5 mm
Number of connections per position	1

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Technical data

General

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 ² ... 2.5 mm ²
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	5 mm
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
Rated current	10 A
SCCR	5 kA (UL 2237)

Standards and Regulations

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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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Technical data

Environmental Product Compliance

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

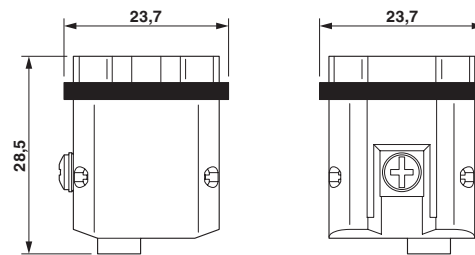
Drawings

Schematic diagram



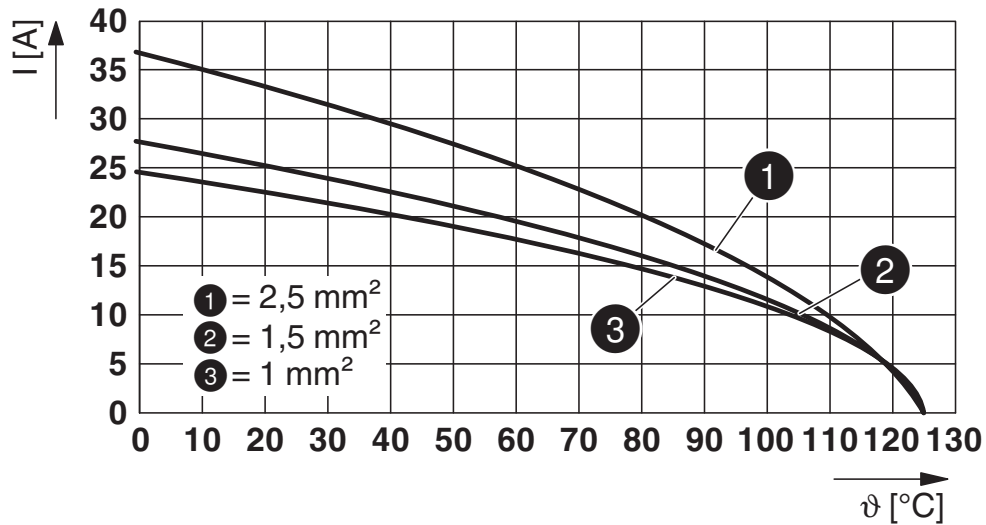
Connector pin assignment connection side: Left pin; right socket

Dimensional drawing



Male insert

Diagram



Derating diagram

Classifications

eCl@ss

eCl@ss 10.0.1	27440205
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Classifications

eCl@ss

eCl@ss 11.0	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 9.0	27440205

ETIM

ETIM 4.0	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

Approvals

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

Ex Approvals

Approval details

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Approvals

DNV GL		https://approvalfinder.dnvgl.com/	TAE000037S
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CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		600 V	
Nominal current IN		18 A	
mm ² /AWG/kcmil		14	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
Nominal voltage UN		600 V	
Nominal current IN		24 A	
mm ² /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		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E468743
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