

Contact insert - HC-A03-I-PT-F - 1585265

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Contact insert, number of positions: 3+PE, size: D7, number of connections per position: 1, Socket, Push-in connection, 230 V/400 V, 10 A, 0.14 mm² ... 1.5 mm²

Your advantages

- ✓ Easy installation without tools, even when mounted, with push-in connection technology
- ✓ Shortest installation time compared to other connection technologies
- ✓ Quick and effortless wiring, in particular when space is tight
- ✓ Automatic cabling with robots possible
- ✓ Safe wiring and operation with color-coded actuators
- ✓ Shock and vibration-resistant in accordance with DIN EN 61373
- ✓ Cost-effective and fast coding with plastic profiles



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 284998
GTIN	4046356284998
Weight per Piece (excluding packing)	20.000 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 housing HC-D7

Contact insert - HC-A03-I-PT-F - 1585265

Technical data

General

Connection method	Push-in connection
Torque	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
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	0.14 mm² ... 1.5 mm²
Connection cross section AWG	26 ... 16
Stripping length of the individual wire	10 mm
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required

Ambient conditions

Degree of protection (IP)	IP20
Ambient temperature (operation)	-40 °C ... 125 °C

Material data

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 surge voltage	4 kV
Rated current	10 A

Standards and Regulations

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

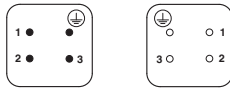
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Contact insert - HC-A03-I-PT-F - 1585265

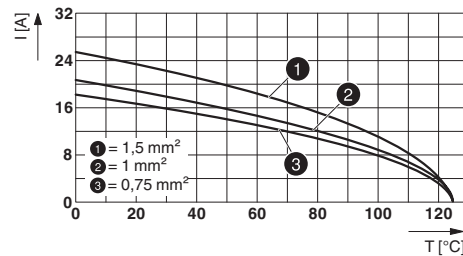
Drawings

Schematic diagram



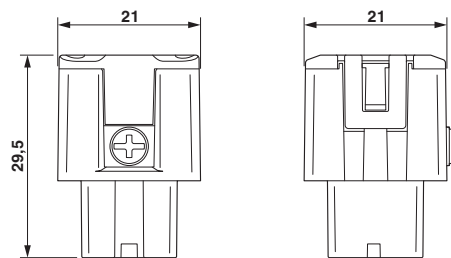
Connector pin assignment connection side: Left pin; right socket

Diagram



Derating diagram

Dimensional drawing



Female insert

Classifications

eCl@ss

eCl@ss 10.0.1	27440205
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

Contact insert - HC-A03-I-PT-F - 1585265

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

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CSA / UL Recognized / EAC / EAC / DNV GL

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		600 V	
Nominal current IN		15 A	
mm²/AWG/kcmil		16	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
Nominal voltage UN		600 V	
Nominal current IN		17.5 A	
mm²/AWG/kcmil		16	

Contact insert - HC-A03-I-PT-F - 1585265

Approvals

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

Accessories

Accessories

Coding element

Coding element - HC-CP-D07-PL - 1095413



Coding element for HC-D07 contact inserts of the HC-A03... / HC-A04... / HC-Q03... / HC-Q04... / HC-Q07... series

Crimping tool

Crimping pliers - CRIMPFOX 10S - 1212045



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.14 mm² ... 10 mm², unlockable pressure lock, lateral entry

Mounting material

Contact insert - HC-A03-I-PT-F - 1585265

Accessories

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



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

Additional products

Contact insert - HC-A03-I-PT-M - 1585252



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