

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



1585223

<https://www.phoenixcontact.com/gb/products/1585223>

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Contact insert, number of positions: 3+PE, size: D7, number of connections per position: 1, Socket, 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

Commercial Data

Item number	1585223
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF7ABJ
Product Key	BF7ABJ
Catalog Page	Page 505 (C-2-2019)
GTIN	4046356284950
Weight per Piece (including packing)	15.13 g
Weight per Piece (excluding packing)	15 g
Customs tariff number	85366990
Country of origin	CN

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Technical Data

Notes

General	for housing HC-D7
General	Connectors may be operated only when there is no load/voltage.

Product properties

Type	D7
Product type	Contact insert with a fixed no. of positions
Number of positions	3
Connection profile	3+PE
Number of connections per position	1
Contact type	turned
Series	HC-A
Screwdriver blade	0.4 x 2.5 mm

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology

Connection technology	Screw connection
Number of connections per position	1
Connection in acc. with standard	IEC / EN

Conductor connection

Connection cross section AWG	20 ... 14
Tightening torque	0.25 Nm ... 0.5 Nm
Stripping length of the individual wire	5 mm

Dimensions

Dimensional drawing	
Width	21 mm
Height	28 mm
Length	21 mm

Mechanical characteristics

Contact diameter	1.6 mm
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Electrical properties

Rated voltage (III/2) contacts	415 V (Conductor-PE)
	690 V (Conductor-Conductor)
Rated voltage (III/3)	230 V (Conductor-PE)
	400 V (Conductor-Conductor)
Rated voltage for power contacts	230/400 V
Rated surge voltage	4 kV
Rated surge voltage	4 kV
Rated current	10 A
SCCR	5 kA (UL 2237)

Material specifications

Flammability rating according to UL 94	V0
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)

Connector

Insertion/withdrawal cycles	≥ 500
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Cable / line

Cable structure

Stripping length of the individual wire	5 mm
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Mounting

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

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
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Standards and regulations

Testing

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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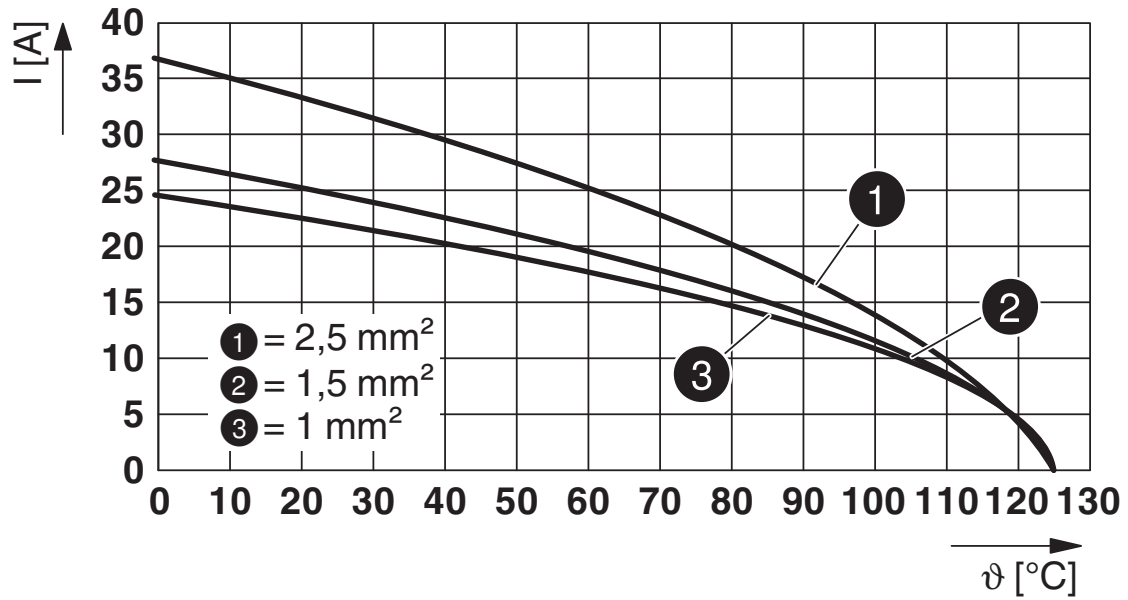


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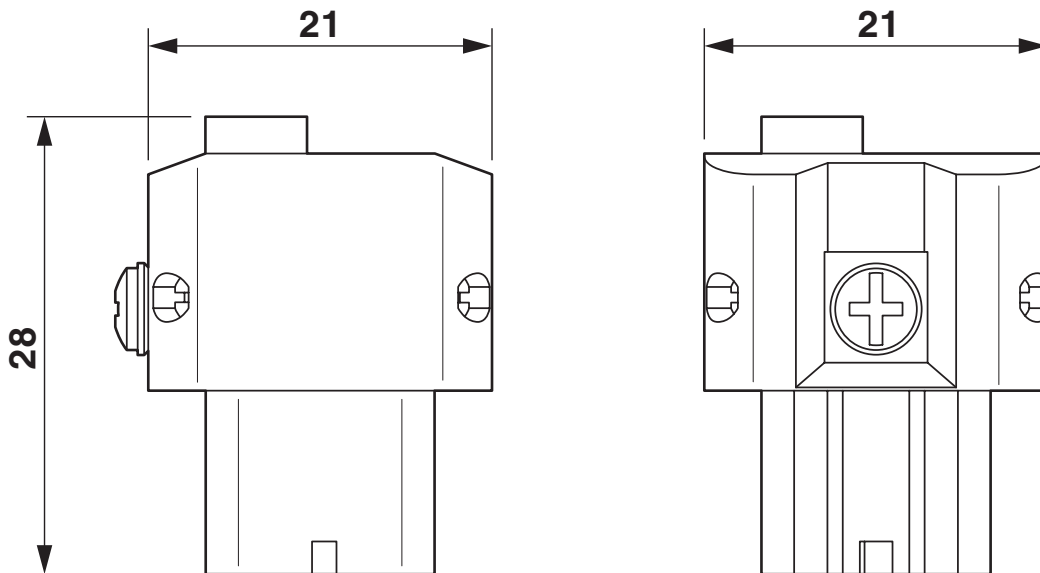
Drawings

Diagram



Derating diagram

Dimensional drawing



Female insert

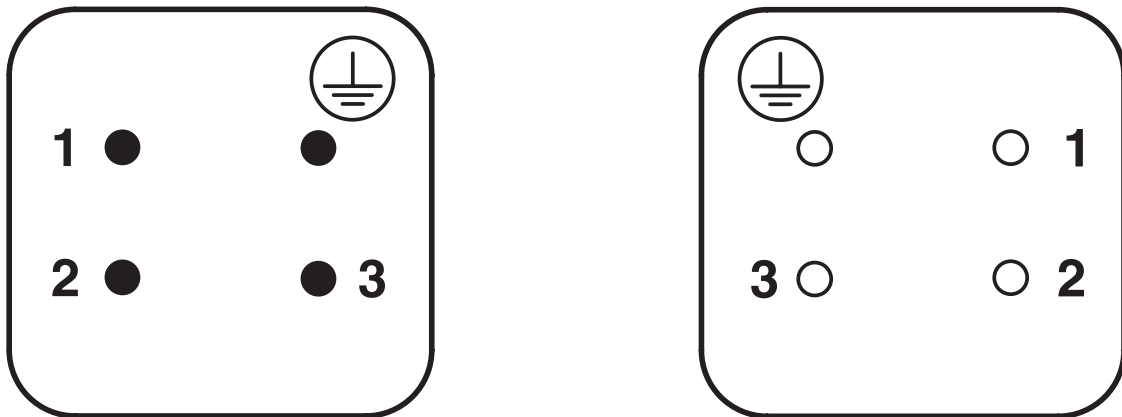
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Schematic diagram



Connector pin assignment connection side: Left pin; right socket

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Approvals

DNV

Approval ID: TAE000037S

**CSA**

Approval ID: 13631

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	600 V	18 A	- 14	-

**UL Recognized**

Approval ID: E118976

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	600 V	24 A	-	-

**EAC**

Approval ID: RU C-DE.AI30.B.01102

**UL Recognized**

Approval ID: E468743

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	600 V	24 A	-	-

**EAC**

Approval ID: RU C-DE.BL08.B.00511

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Classifications

ECLASS

ECLASS-9.0	27440205
ECLASS-10.0.1	27440205
ECLASS-11.0	27440205

ETIM

ETIM 8.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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