

Contact insert - HC-HS 2-D7-EBUS



1586264

<https://www.phoenixcontact.com/gb/products/1586264>

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HEAVYCON female insert, HS2 series, 2+PE-pos., axial screw connection



Commercial Data

Item number	1586264
Packing unit	10 pc
Minimum order quantity	10 pc
Sales Key	BF7ABJ
Product Key	BF7ABJ
Catalog Page	Page 511 (C-2-2019)
GTIN	4046356410212
Weight per Piece (including packing)	18.66 g
Weight per Piece (excluding packing)	18.66 g
Customs tariff number	85366990
Country of origin	DE

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Technical Data

Notes

General	for HC-D7 housing, axial connection 2.0 mm, Allen key
General	Connectors may be operated only when there is no load/voltage.
General	The axial screw connection must be established using a 2 mm Allen key (for stranded conductors only)

Product properties

Type	D7
Product type	Contact insert with a fixed no. of positions
Number of positions	2
Connection profile	2+PE
Application	Power
No. of power contacts	2
No. of control contacts	0
Contact type	turned
Series	HC-HS

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology

Connection technology	Axial screw connection
Connection in acc. with standard	IEC / EN

Conductor connection

Connection cross section AWG	10 ... 8
Tightening torque	1.8 Nm
Stripping length of the individual wire	8 mm +1 mm

Dimensions

Dimensional drawing	
Width	21 mm
Height	34.8 mm
Length	21 mm

Mechanical characteristics

Contact diameter	4 mm
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Electrical properties

Rated voltage (III/3)	400 V
Rated surge voltage	6 kV
Rated current	40 A

Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

Connector

Insertion/withdrawal cycles	≥ 500
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Cable / line

Cable structure

Stripping length of the individual wire	8 mm +1 mm
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Mounting

Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
	<p>Note regarding axial connection technology:</p> <p>Only for stranded wires. The specified conductor cross sections refer to the geometric cross section of the cable used. Cables with a geometric cross section which deviates significantly from the nominal cable cross section must be checked before use.</p> <p>The axial connection technology connection space is designed for fine strand cables according to VDE 0295 Class 5. Deviating cable structures (e.g., Class 6 cables) must be checked before use.</p> <p>Assembly instructions</p> <p>Before assembly, ensure that the tapered screw is fully loosened (chamber is open). Cables must not be twisted. The wires must be pushed into the contact chamber as far as they will go (until the insulation touches the contact). Hold the wires in position and tighten using an Allen key. The used wire end must be cut off before reconnection. The terminal screw must only be retightened once to prevent the litz wires from breaking. To prevent damage to the contact, the wire/cable must be mechanically held at an appropriate distance from the connection point (e.g., when used in a plate cut out). For notes on correct execution, see DIN VDE 0100-520:2003-06. Unused connections must be tightened with maximum torque.</p>

Ambient conditions

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

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Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Tests	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352

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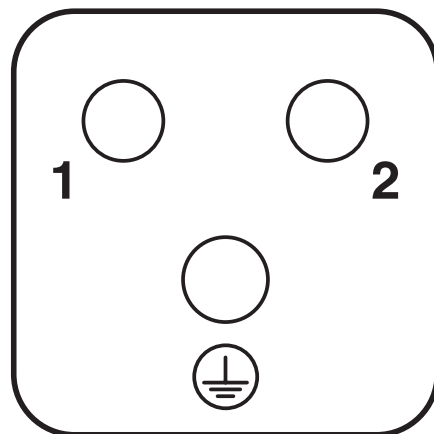


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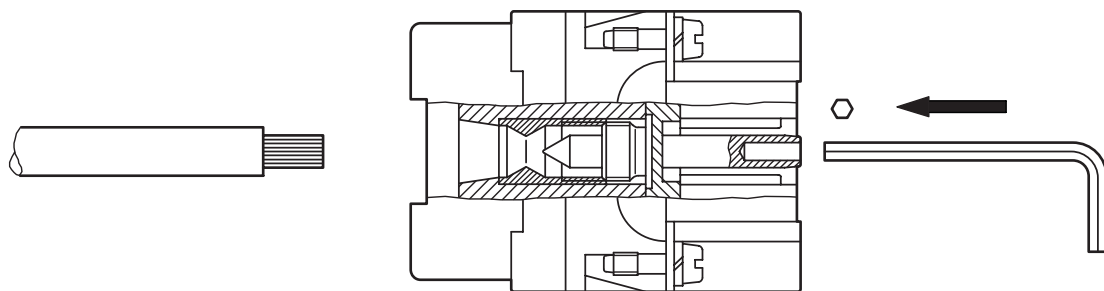
<https://www.phoenixcontact.com/gb/products/1586264>

Drawings

Schematic diagram



Schematic diagram



Axial connection

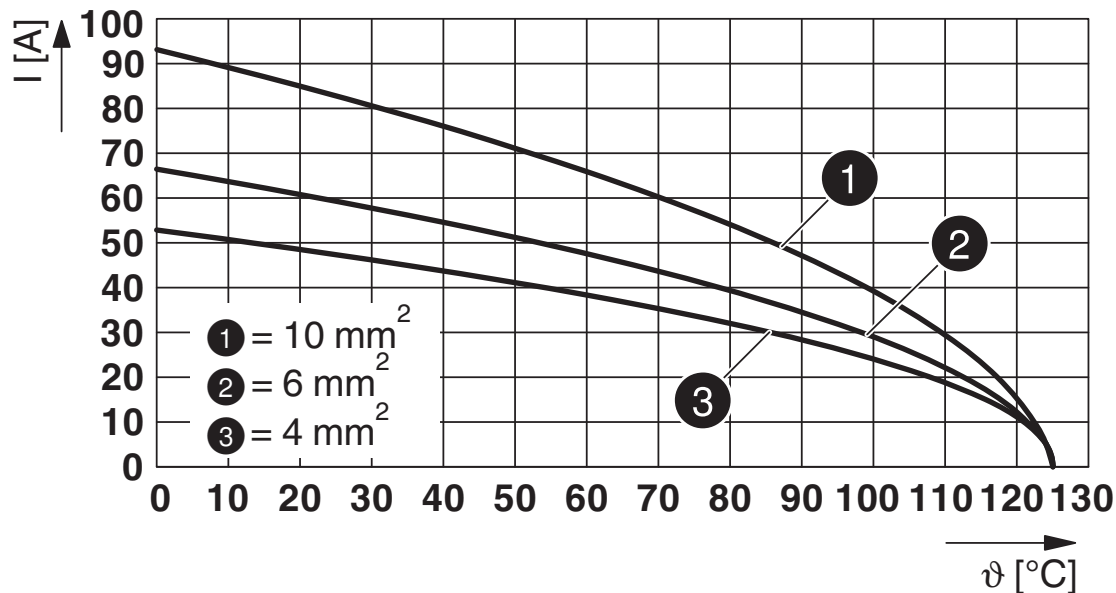
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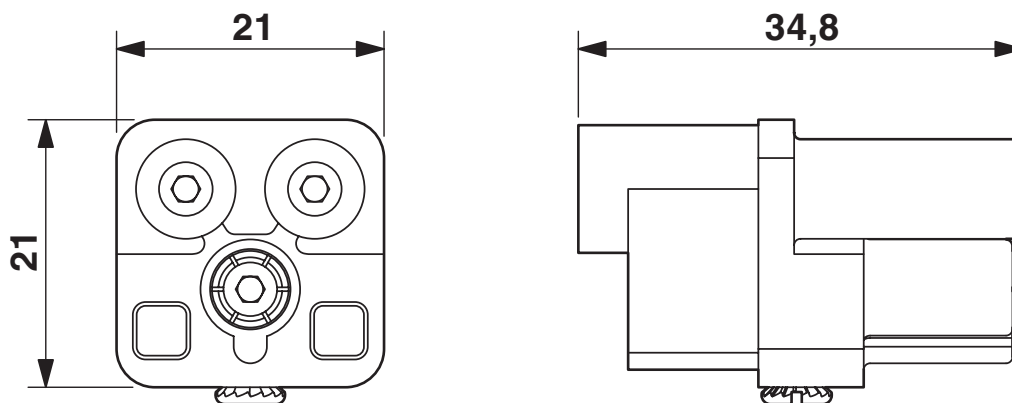
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Diagram



Derating diagram

Dimensional drawing



Female insert

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Approvals

DNV

Approval ID: TAE000037S



EAC

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



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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