Contact insert - HC-HS 2-D7-EBUS - 1586264

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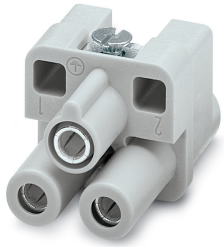

HEAVYCON female insert, HS2 series, 2+PE-pos., axial screw connection

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	4 046356 410212
GTIN	4046356410212
Weight per Piece (excluding packing)	18.000 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

General

Note	for HC-D7 housing, axial connection 2.0 mm, Allen key
	Connectors may be operated only when there is no load/voltage.
	The axial screw connection must be established using a 2 mm Allen key (for stranded conductors only)
Connection method	Axial screw connection
Tightening torque	1.8 Nm
Torque	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Degree of pollution	3
Overvoltage category	III

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Technical data

General

Number of positions	2+PE
No. of power contacts	2
No. of control contacts	0
Insertion/withdrawal cycles	≥ 500
Size	D7
Contact numbering	1 - 2
Conductor cross section	4 mm² ... 10 mm² (The cross section specification refers to the geometric cross section of the cable used)
Connection cross section AWG	10 ... 8
Stripping length of the individual wire	8 mm +1 mm
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
Connection	Note regarding axial connection technology: 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. 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. Assembly instructions 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.

Ambient conditions

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

Material data

Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

Electrical characteristics

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

Standards and Regulations

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Technical data

Standards and Regulations

Connection in acc. with standard	CUL
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
Flammability rating according to UL 94	V0

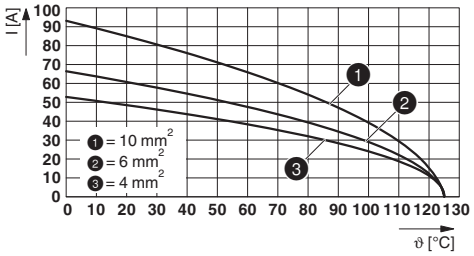
Environmental Product Compliance

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

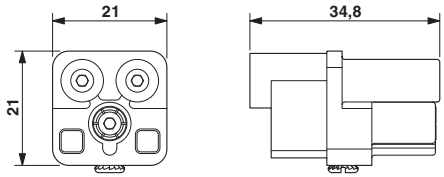
Schematic diagram

Diagram

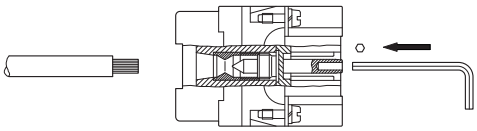


Derating diagram

Dimensional drawing



Schematic diagram



Axial connection

Female insert

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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 3.0	EC000438
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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EAC / EAC / DNV GL

Ex Approvals

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Approvals

Approval details

EAC		RU C-DE.AI30.B.01102
EAC		RU C-DE.BL08.B.00511
DNV GL	https://approvalfinder.dnvgl.com/	TAE000037S

Accessories

Accessories

Coding element

Coding profile - HC-HS 2-CP - 1586280

Coding profile, for coding HC-HS 2-D7-E...S, 4 coding profiles per strip (40 strips per unit pack)

Mounting material

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

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

Screwdriver tools

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Accessories

Screwdriver - SF-BIT-HEX 2-50 - 1212645

Screw bit, hexagon, E6.3-1/4" drive, size: Hex 2 x 50 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

Torque tool

Torque screwdriver - TSD-M 3NM - 1212225

Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 1.2 - 3 Nm

Additional products

Contact insert - HC-HS 2-D7-ESTS - 1586277

Contact insert, number of positions: 2+PE, size: D7, power contacts: 2, control contacts: 0, Pin, Axial screw connection, 400 V, 40 A, 4 mm² ... 10 mm², application: Power