

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


Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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

RoHS

### Key Commercial Data

Packing unit	10 STK
GTIN	 4 046356 410212
GTIN	4046356410212
Weight per Piece (excluding packing)	18.660 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

#### General

Note	for HC-D7 housing, axial connection 2.0 mm, Allen key
Connection method	Axial screw connection
Tightening torque	1.8 Nm
Degree of pollution	3
Overvoltage category	III
Number of positions	2+PE
Insertion/withdrawal cycles	≥ 500
Size	D7
Contact numbering	1 - 2
Conductor cross section	4 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Connection cross section AWG	10 ... 8
Stripping length of the individual wire	8 mm +1
Assembly instructions	-The axial screw connection must be established using a 2 mm Allen wrench.

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

## Technical data

### General

	<p>-Use only stranded wires for axial screw connection. -Plug-in connections may only be operated only when there is no load/voltage.</p>
Connection	<p>Note regarding axial connection technology: Only for stranded wires. The specified conductor cross sections refer to the geometric cross section of the cable used. Use of cables with a geometric cross section very different from the cable's nominal cross section should be checked before use. The wiring space of the axial screw method is established for fine strand cables in accordance with VDE 0295 Class 5. Deviating cable structures (e.g., Class 6 cables) should be checked before use. Assembly instructions Before assembly, ensure that the tapered screw is turned back all the way (chamber is open). The cables must not be twisted. The wires should be inserted as far as they will go into the contact chamber (until the insulation touches the contact). Hold the wires in position and use the socket wrench to tighten. The used wire end should be cut off before connecting again. The connection screw may only be retightened once to prevent the litz wires from breaking. To prevent damage to the contact, the wire/cable should be mechanically intercepted at an appropriate distance from the connection point (e.g., by using a plate cutout). DIN VDE 0100-520:2003-06 contains information on how to do this correctly. When not using PE contacts: set the PE contact as far as possible in a clockwise direction.</p>

### 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

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

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

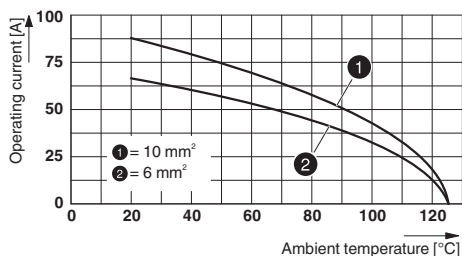
# Contact insert - HC-HS 2-D7-EBUS - 1586264

## Drawings

Schematic diagram

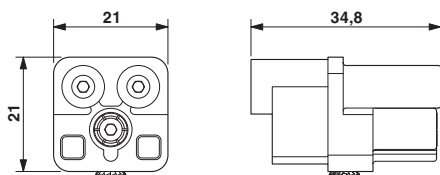


Diagram

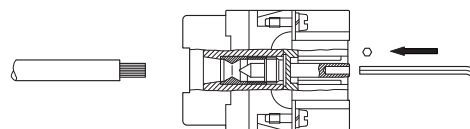


Derating diagram: Series HC-HS2-D7-E...S

Dimensional drawing



Schematic diagram



Axial connection

Female insert

## Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438
ETIM 6.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522

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

## Classifications

### UNSPSC

UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals


### Approvals


#### Approvals

UL Recognized / cUL Recognized / GL / EAC / cULus Recognized

#### Ex Approvals

### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 118976
mm <sup>2</sup> /AWG/kcmil	12		
Nominal current IN	28 A		
Nominal voltage UN	400 V		

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 118976
mm <sup>2</sup> /AWG/kcmil	12		
Nominal current IN	26 A		
Nominal voltage UN	400 V		

GL		<a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a>	6196614 HH
----	---	---	------------

EAC		RU C- DE.AI30.B.01102
-----	---	--------------------------

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

## Approvals

cULus Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

## 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 V, IP67, replacement part for D7 size HEAVYCON housing

## Screwdriver tools

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

