

## Contact insert - HC-A04-I-UT-F - 1585249

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, A4 series, 4-pos., screw connection without wire protection, with IP65 sealing screw

### Product Description

without wire protection, with IP65 sealing screw



### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	16.000 g
Custom tariff number	85369010
Country of origin	China

### Technical data

#### General

Note	For housing HC-D7
Connection method	Screw connection
Tightening torque	0.25 Nm ... 0.5 Nm
Screwdriver blade	0.4 x 2.5 mm
Degree of pollution	3
Overvoltage category	III
Number of positions	4+PE
Insertion/withdrawal cycles	≥ 500
Size	D7
Connection in acc. with standard	IEC / EN
Conductor cross section	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	20 ... 14

# Contact insert - HC-A04-I-UT-F - 1585249

## Technical data

### General

Stripping length of the individual wire	5 mm
Assembly instructions	Connectors may be operated only when there is no load/voltage.
Connection	Already includes one IP65 sealing screw

### Ambient conditions

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

### Material data

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)

### 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
	4 kV
Rated current	24 A

### Standards and Regulations

Connection in acc. with standard	IEC / EN
Flammability rating according to UL 94	V0

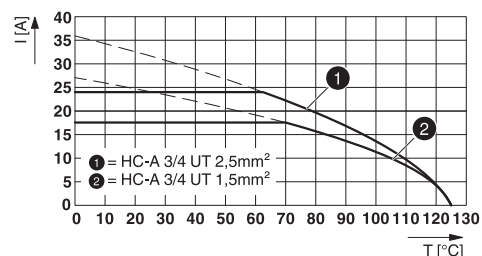
## Drawings

Schematic diagram



Connector pin assignment connection side: Left pin; right socket

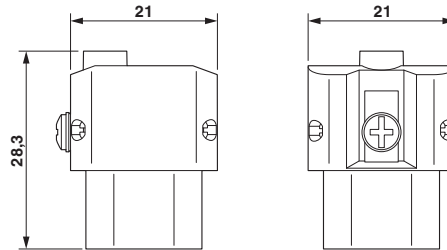
Diagram



Derating diagram

# Contact insert - HC-A04-I-UT-F - 1585249

Dimensional drawing



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 4.0	EC000438
ETIM 5.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals

Approvals

Approvals

EAC / GL / UL Recognized / CSA

# Contact insert - HC-A04-I-UT-F - 1585249

## Approvals


Ex Approvals

---


### Approval details

EAC  7500651.22.01.00246

GL <http://www.gl-group.com/newbuilding/approvals/index.html> 6196614

UL Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> E118976

mm <sup>2</sup> /AWG/kcmil	14
Nominal current I <sub>N</sub>	24 A
Nominal voltage U <sub>N</sub>	600 V

CSA  <http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing> 13631

mm <sup>2</sup> /AWG/kcmil	14
Nominal current I <sub>N</sub>	18 A
Nominal voltage U <sub>N</sub>	600 V