

Contact insert - HC-A03-I-UT-F - 1585223

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HEAVYCON female insert, A3 series, 3-pos., screw connection without wire protection

Product Description

without wire protection, with IP65 sealing screw



Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	20.000 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	3+PE
Insertion/withdrawal cycles	≥ 500
Size	D7
Connection in acc. with standard	IEC / EN
Conductor cross section	0.5 mm ² ... 2.5 mm ²
Connection cross section AWG	20 ... 14

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Technical data

General

Stripping length of the individual wire	5 mm
Assembly instructions	Connectors may be operated only when there is no load/voltage.

Ambient conditions

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

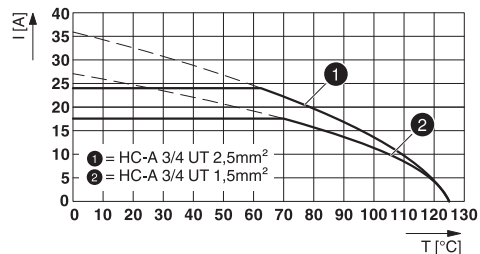
Drawings

Schematic diagram



Connector pin assignment connection side: Left pin; right socket

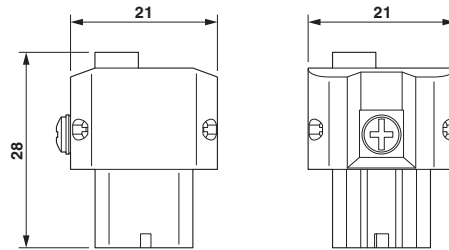
Diagram



Derating diagram: Series HC-A 3-E..S / HC-A 4-E..S

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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

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EAC / GL / UL Recognized / CSA

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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 ² /AWG/kcmil	14
Nominal current I _N	24 A
Nominal voltage U _N	600 V

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

mm ² /AWG/kcmil	14
Nominal current I _N	18 A
Nominal voltage U _N	600 V