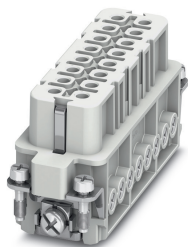


Contact insert - HC-A16-I-UT-F 17-32 - 1585346

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 socket insert, A16 series, 16-pos., screw connection, numbering from 17 ... 32

Your advantages

- can be coded with plastic coding profile (order number 1410916)
- for a test pin 2 mm in diameter



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 285070
GTIN	4046356285070

Technical data

General

Note	for flexible conductors with or without ferrules
	Connectors may be operated only when there is no load/voltage.
	for HC-D25 / HC-D 50 housing
Connection method	Screw connection
Tightening torque	0.5 Nm
Torque	0.7 Nm ... 1 Nm (PE connection)
	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Screwdriver blade	0.5 x 3.5 mm
Degree of pollution	3
Overvoltage category	III
Number of positions	16+PE
Insertion/withdrawal cycles	≥ 500
Size	D25

Contact insert - HC-A16-I-UT-F 17-32 - 1585346

Technical data

General

	D50
Contact numbering	17 - 32
Conductor cross section	0.5 mm ² ... 2.5 mm ²
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	7 mm
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
Connection	for plastic coding profiles: 4 pcs.

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
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 (III/3)	250 V
Rated surge voltage	4 kV
	4 kV
Rated current	16 A

Standards and Regulations

Flammability rating according to UL 94	V0
Standards/regulations	acc. to DIN EN 45545-2

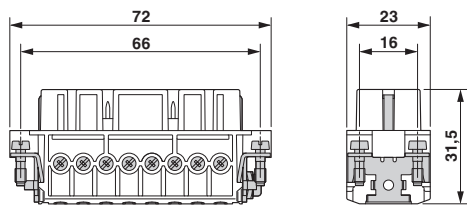
Environmental Product Compliance

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

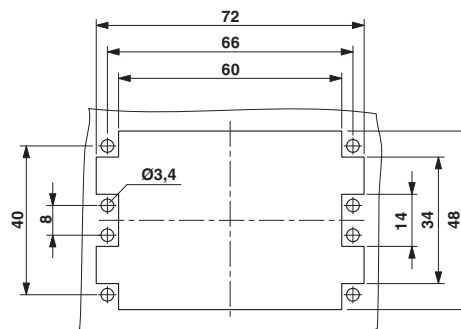
Contact insert - HC-A16-I-UT-F 17-32 - 1585346

Dimensional drawing



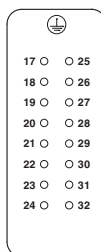
Female insert

Dimensional drawing



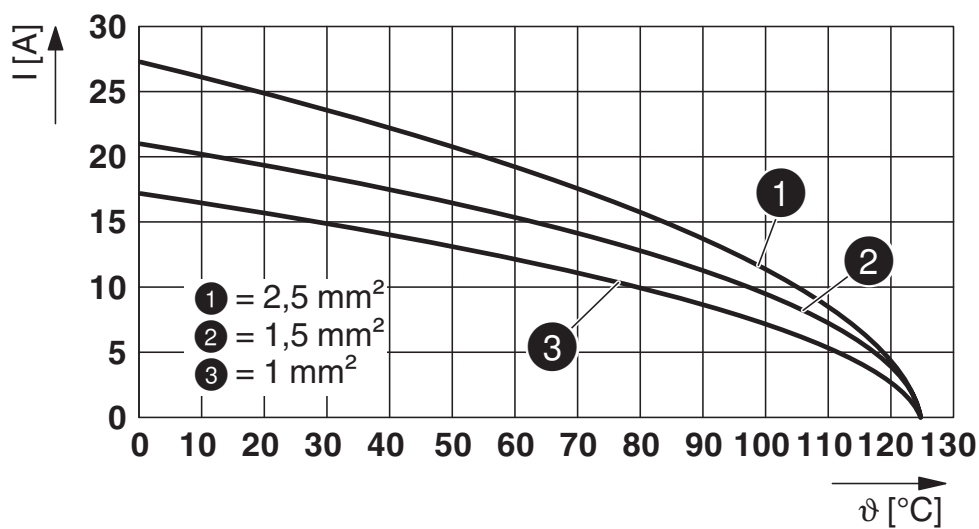
Mounting cutout when used without housing

Schematic diagram



Connector pin assignment, connection side

Diagram



Derating diagram

Contact insert - HC-A16-I-UT-F 17-32 - 1585346

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 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

Approvals

Approvals

CSA / EAC / EAC / UL Recognized / DNV GL

Ex Approvals

Approval details

Contact insert - HC-A16-I-UT-F 17-32 - 1585346

Approvals

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		600 V	
Nominal current IN		15 A	
mm ² /AWG/kcmil		14	

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

EAC			RU C- DE.BL08.B.00511
-----	--	--	--------------------------

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
Nominal voltage UN		600 V	
Nominal current IN		19 A	
mm ² /AWG/kcmil		14	

DNV GL		https://approvalfinder.dnvgl.com/	TAE000037S
--------	--	---	------------

Accessories

Accessories

Coding element

Coding element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

Contact insert - HC-A16-I-UT-F 17-32 - 1585346

Accessories

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

Coding bolt - HC-CB - 1772722



Coding pin, prevents mismatching of up to six connectors with an identical number of positions

Coding profile - CP-HC-S - 1410916



Coding profile, 4 elements per star, for insertion in a coding keyway, for contact inserts HC-BB... / HC-A10-I-UT... / HC-A16-I-UT...

Mounting material

Screw - HC-A-PES - 1584868



PE screw for contact inserts of A series

Additional products

Contact insert - HC-A16-I-UT-M 17-32 - 1585333



HEAVYCON pin insert, A16 series, 16-pos., screw connection, numbering from 17 ... 32

Phoenix Contact 2021 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>