

Contact insert - HC-B 6-I-UT-F - 1648128

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>)



Contact insert, number of positions: 6+PE, size: B6, number of connections per position: 1, Socket, Screw connection, 500 V, 24 A, 0.5 mm² ... 2.5 mm², application: Power

Your advantages

- ✓ For fast coding with plastic profile
- ✓ For test pin 2 mm

RoHS

COMPLETE RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 092241
GTIN	4046356092241
Weight per Piece (excluding packing)	49.200 g
Custom tariff number	85366990
Country of origin	China
Sales Key	BF7ABC

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B6 type. Plug-in connections may only be operated only when there is no load/voltage.
	Connectors may be operated only when there is no load/voltage.
Connection method	Screw connection
Tightening torque	0.5 Nm ... 0.8 Nm
Screwdriver blade	0.5 x 3.5 mm
Number of connections per position	1
Degree of pollution	3
Overvoltage category	III
Number of positions	6+PE

Contact insert - HC-B 6-I-UT-F - 1648128

Technical data

General

Insertion/withdrawal cycles	≥ 500
Size	B6
Contact numbering	1 - 6
Conductor cross section	0.5 mm² ... 2.5 mm² (applies to stranded conductors with ferrules)
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	8 mm
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
Connection	Connectors may only be actuated when there is no load/voltage.

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)	500 V
Rated surge voltage	6 kV
Rated current	24 A

Standards and Regulations

Connection in acc. with standard	CSA
Constructional and testing regulations	DIN EN 61984
	DIN EN 60664
	IEC 60352
Flammability rating according to UL 94	V0

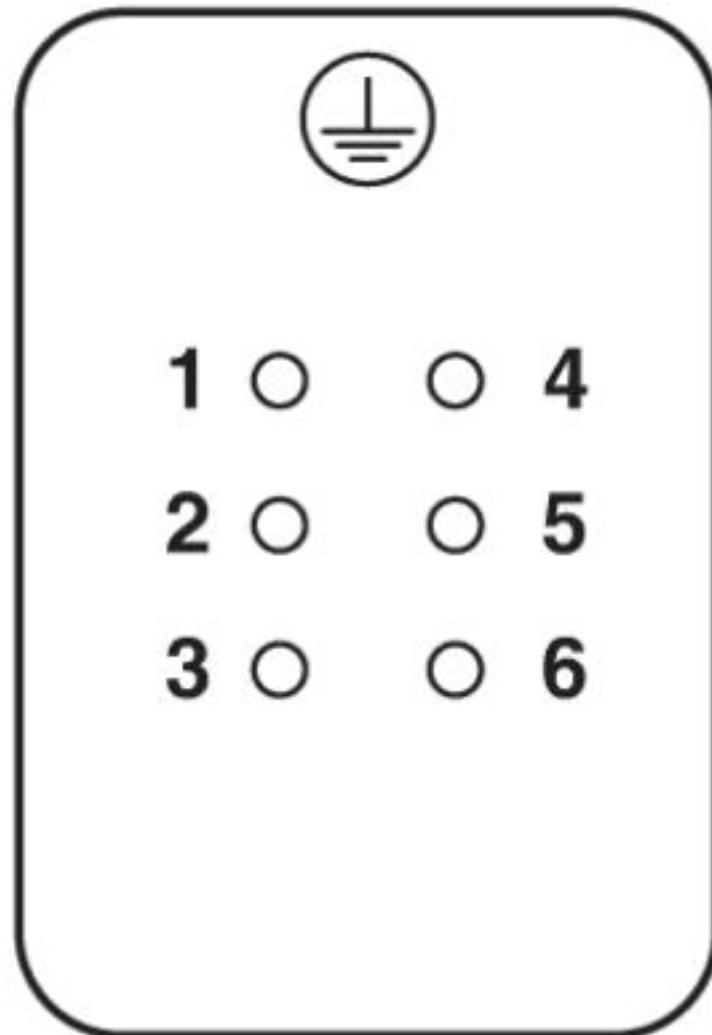
Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Contact insert - HC-B 6-I-UT-F - 1648128

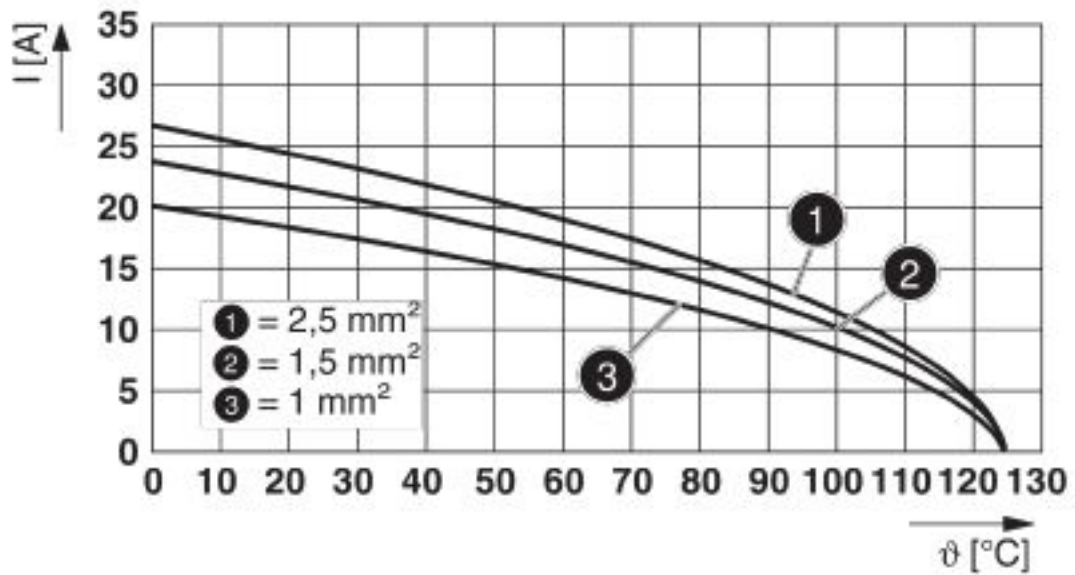
Schematic diagram



Connector pin assignment, connection side

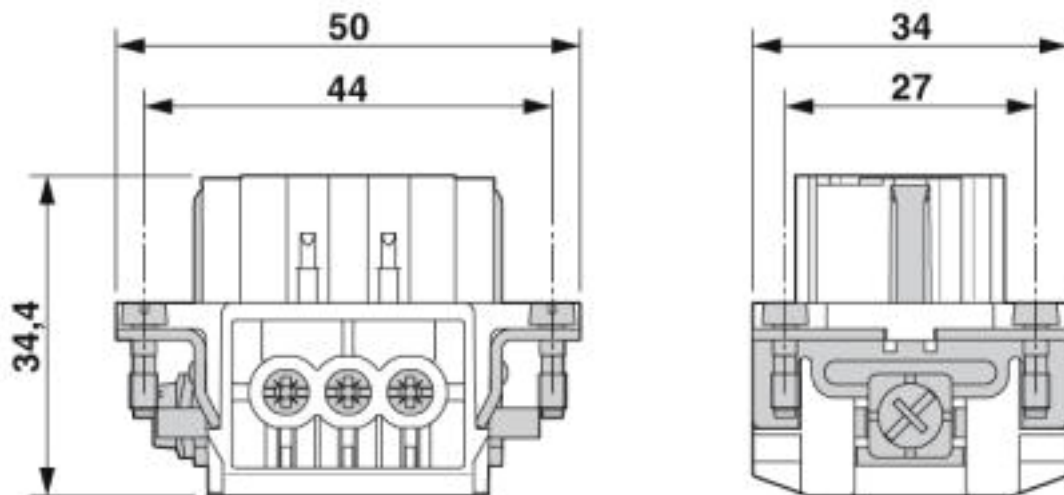
Contact insert - HC-B 6-I-UT-F - 1648128

Diagram



Derating diagram

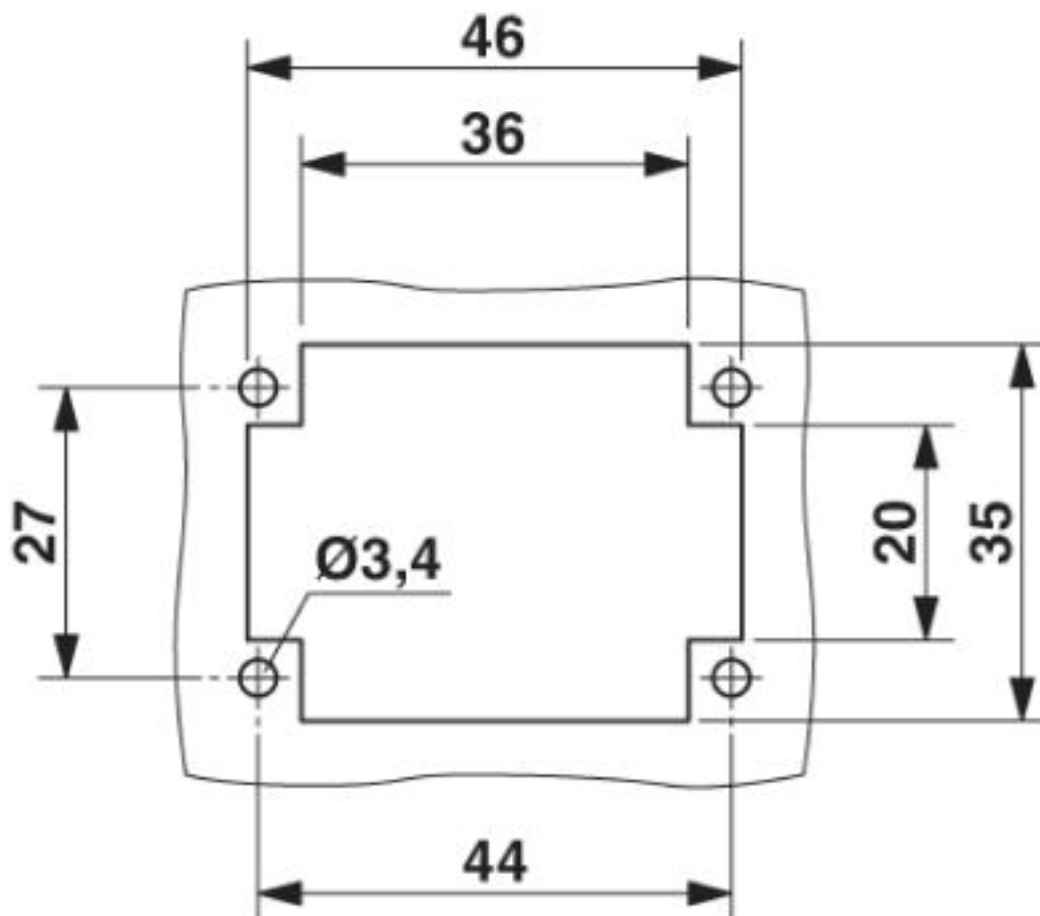
Dimensional drawing



Female insert

Contact insert - HC-B 6-I-UT-F - 1648128

Dimensional drawing



Mounting cutout when used without housing

Classifications

eCl@ss

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 8.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000438

Contact insert - HC-B 6-I-UT-F - 1648128

Classifications

ETIM

ETIM 5.0	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

Approvals

Approvals

Approvals

CSA / UL Recognized / EAC / DNV GL

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	013631_6233_01
Nominal voltage UN		600 V	
Nominal current IN		13 A	
mm²/AWG/kcmil		22-14	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN		600 V	
Nominal current IN		16 A	
mm²/AWG/kcmil		14	

Contact insert - HC-B 6-I-UT-F - 1648128

Approvals

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

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

Accessories

Accessories

Coding element

Coding profile - CP-HC - 1686478



Coding profile, 4 coding profiles per strip, for insertion in coding keyways

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 element - HC-CST - 1676857



Coding peg for coding up to 16 connectors

Contact insert - HC-B 6-I-UT-F - 1648128

Accessories

Mounting material

Screw - HC-B-PES - 1604997



PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64

PE multiplier - HC-B-3PE - 1644326



PE multiplier, for three PE connections, for HC-B (besides HC-B..E..ZZ) / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts

Strain relief clamp - HC-B-ZG - 1685327



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit

Strain relief clamp - HC-B-ZS - 1685330



Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit
