PHŒNIX CONTACT

Contact insert - HC-B06-I-PT-M - 1407728

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 pin insert, B6 series, 6 + PE-pos., push-in connection

Why buy this product

☑ For fast coding with plastic profile

☑ Conductor connection without tools

☑ Significant time savings during conductor connection

☑ Test connection for 2 mm test plug

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 777537
GTIN	4046356777537
Weight per Piece (excluding packing)	46.900 g
Custom tariff number	85366990
Country of origin	China

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.
Connection method	Push-in connection
Number of connections per position	1
Degree of pollution	3
Overvoltage category	III
Number of positions	6+PE
Insertion/withdrawal cycles	≥ 500
Size	B6
Contact numbering	1 - 6

Contact insert - HC-B06-I-PT-M - 1407728

Technical data

General

Conductor cross section	0.14 mm² ... 2.5 mm²
Connection cross section AWG	26 ... 14
Stripping length	8 mm ... 10 mm
Assembly instructions	Coding also using the CP-HC (1686478) coding profiles. HC-B6../ HC-B10..for two coding profiles. HC-B16../ HC-B24..for four coding profiles.
Connection	Connectors may only be operated when there is no load/the power is switched off. Can be used for solid wires and stranded wires with ferrule.

Ambient conditions

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

Material data

Contact material	Copper alloy
Contact surface material	Ag/Sn (tarnish protection)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)
	PC: Fire protection in rail vehicles - requirement set R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Electrical characteristics

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A (power contacts)

Standards and Regulations

Flammability rating according to UL 94	V0

Environmental Product Compliance

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

Drawings

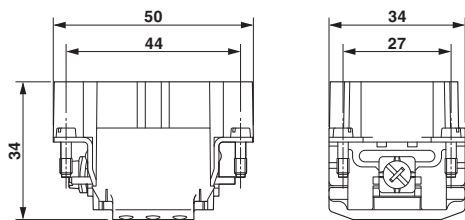### Schematic diagram
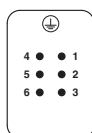
Connector pin assignment, connection side

Diagram
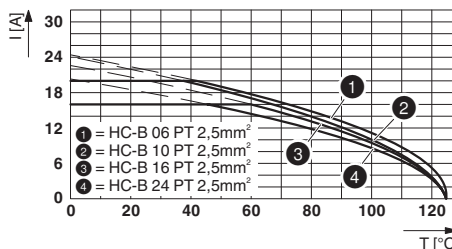
Derating diagram for 2.5 mm²
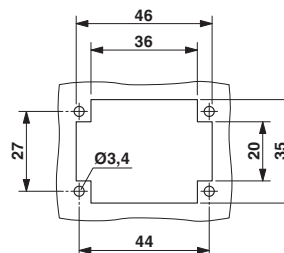
PHŒNIX CONTACT

Contact insert - HC-B06-I-PT-M - 1407728

Dimensional drawing

Dimensional drawing

Dimensional drawing

Mounting cutout when used without housing

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
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

Approvals

Approvals

Approvals

CSA / UL Recognized / GL / EAC

Ex Approvals

PHŒNIX
CONTACT

Contact insert - HC-B06-I-PT-M - 1407728

Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
mm²/AWG/kcmil		14	
Nominal current IN		13 A	
Nominal voltage UN		600 V	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
mm²/AWG/kcmil		14	
Nominal current IN		13 A	
Nominal voltage UN		600 V	

GL		http://exchange.dnv.com/tari/	6196614 HH

EAC			RU C-DE.AI30.B.01102

Accessories

Accessories

Adapter plate

Adapter plate - HC-B 24-ADP-B 6-GY - 1660407

HEAVYCON adapter plate, type B24 on B6, for panel cutouts of type B24, gray

Coding element

PHŒNIX CONTACT

Contact insert - HC-B06-I-PT-M - 1407728

Accessories

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 mismating of up to six connectors with an identical number of positions

---

Coding element - HC-CST - 1676857

Coding peg for coding up to 16 connectors

DIN rail mounting frame

DIN rail mounting frame - HC-SMR-2B 6 - 1687998

HEAVYCON DIN rail mounting frame, for two contact inserts of type B6

Contact insert - HC-B06-I-PT-M - 1407728

Accessories

DIN rail mounting frame - HC-SMR-B 6 - 1687956

HEAVYCON DIN rail mounting frame, for type B6 contact inserts

Docking frame

Docking frames - HC-B 6-ANDOCK - 1586112

Docking frames for racks, for type B6 contact inserts, with 4 M5 flat headed screws, slide-in offset for x/y axis of ±1.5 mm

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

Contact insert - HC-B06-I-PT-M - 1407728

Accessories

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