Contact insert - HC-B 10-I-CT-F - 1648225

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HEAVYCON female insert, B10 series, 10-pos., for crimp contacts. PE connection using tension sleeve technology.

Product Features

- For fast coding with plastic profile
- PE connection using tension sleeve technology

Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	55.21 GRM
Custom tariff number	85366990
Country of origin	China

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B10 type, crimp contacts CK 2,5-ED (crimp contacts not included in the scope of supply).
Connection method	Crimp connection
Pollution degree	3
Surge voltage category	III
Constructional and testing regulations	DIN EN 61984
	DIN EN 60664
	IEC 60352
Number of positions	10+PE
Insertion/withdrawal cycles	≥ 500
Design	B10
Connection in acc. with standard	IEC / EN
Conductor cross section	0.5 mm² ... 4 mm²

Contact insert - HC-B 10-I-CT-F - 1648225

Technical data

General

Connection cross section AWG	20 ... 12
Stripping length of the individual wire	7.5 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	For housing design B10. Connectors may only be inserted when there is no load/the power is switched off. Use a screwdriver to remove the crimp contacts. The opening for the screwdriver is next to the opening where the conductor is inserted.

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)
Degree of protection	IP20

Material data

Inflammability class according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PA

Electrical characteristics

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

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	27440209

ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

Contact insert - HC-B 10-I-CT-F - 1648225

Classifications

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 / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

CSA

mm²/AWG/kcmil	20-12
Nominal current IN	20 A
Nominal voltage UN	600 V

UL Recognized

mm²/AWG/kcmil	22-14
Nominal current IN	13 A
Nominal voltage UN	600 V

Contact insert - HC-B 10-I-CT-F - 1648225

Approvals

cUL Recognized

mm²/AWG/kcmil	22-14
Nominal current IN	13 A
Nominal voltage UN	600 V

cULus Recognized

Accessories

Accessories

Adapter plate

Adapter plate - HC-B 24-ADP-B 10-GY - 1660436

HEAVYCON adapter plate, type B24 on B10, for panel cutouts of type B24, gray

Assembly tool

Removal tool - CK2,5-EWZ - 1662722

Contact removal tool, for turned CK 2,5... contacts

Coding element

Contact insert - HC-B 10-I-CT-F - 1648225

Accessories

Coding profile - CP-HC - 1686478

Encoding profile, 4 encoding profiles per strip, 40 strips per unit pack, for insertion in encoding grooves

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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

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Coding element - HC-CST - 1676857

Coding peg for coding up to 16 connectors

Dummy socket - CK2,5-ED-BB - 1584693

Dummy socket for contact carrier with turned CK 2,5-ED... socket contacts. For HC-A../HC-BB.../HC-M... series contact inserts.

Crimp contact

Contact insert - HC-B 10-I-CT-F - 1648225

Accessories

Crimp contact - CK2,5-ED-0,50BU AG - 1663640

Turned 2.5 crimp contact, individual female contact, core diameter 0.5 mm², silver-plated

Crimp contact - CK2,5-ED-0,75BU AG - 1663653

Turned 2.5 crimp contact, individual female contact, core diameter 0.75 mm², silver-plated

Crimp contact - CK2,5-ED-1,00BU AG - 1663666

Turned 2.5 crimp contact, individual female contact, core diameter 0.75 to 1.00 mm², silver-plated

Crimp contact - CK2,5-ED-1,50BU AG - 1663679

Turned 2.5 crimp contact, individual female contact, core diameter 1.5 mm², silver-plated

Crimp contact - CK2,5-ED-2,50BU AG - 1663682

Turned 2.5 crimp contact, individual female contact, core diameter 2.5 mm², silver-plated

Contact insert - HC-B 10-I-CT-F - 1648225

Accessories

Crimp contact - CK2,5-ED-3,00BU AG - 1663695

Turned 2.5 crimp contact, individual female contact, core diameter 3.00 mm², silver-plated

Crimp contact - CK2,5-ED-4,00BU AG - 1663705

Turned 2.5 crimp contact, individual female contact, core diameter 4.00 mm², silver-plated

Crimp contact - CK2,5-ED-0,50BU AU - 1674859

Turned 2.5 crimp contact, individual female contact, core diameter 0.5 mm², gold-plated

Crimp contact - CK2,5-ED-1,00BU AU - 1674833

Turned 2.5 crimp contact, individual female contact, core diameter 0.75 to 1.0 mm², gold-plated

Crimp contact - CK2,5-ED-1,50BU AU - 1674820

Turned 2.5 crimp contact, individual female contact, core diameter 1.5 mm², gold-plated

Contact insert - HC-B 10-I-CT-F - 1648225

Accessories

Crimp contact - CK2,5-ED-2,50BU AU - 1674862

Turned 2.5 crimp contact, individual female contact, core diameter 2.5 mm², gold-plated

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Crimp contact - CK2,5-ED-4,00BU AU - 1674846

Turned 2.5 crimp contact, individual female contact, core diameter 4.00 mm², gold-plated

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Crimping tool

Crimping pliers - CRIMPFOX-1,6/2,5-ED-4,0 - 1687419

Crimping pliers, for turned contacts, CK 1.6 ED... and CK 2.5 ED...

Docking frame

Docking frames - HC-B 10-ANDOCK - 1586125

Docking frame for racks, for contact inserts of B10 type, with four M5 flat headed screws, rack balance x/y axis +- 1.5 mm

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Mounting material

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Accessories

Mounting material - 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

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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

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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

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Plug assembly frame

Connector assembly frame - HC-SMR-B10 - 1687969

HEAVYCON connector assembly frame, for contact inserts of type B10

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Accessories

Plug mounting plate

Connector assembly frame - HC-SMP 125-B10-AMQ - 1660960

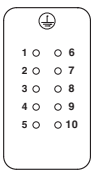
HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B10

- CK2,5-ED-0,37BU AG - 1585634

- CK2,5-ED-0,37BU AU - 1585647

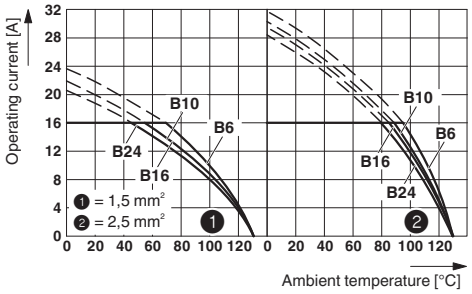
Drawings

Schematic diagram



Connector pin assignment, connection side

Diagram



Derating diagram

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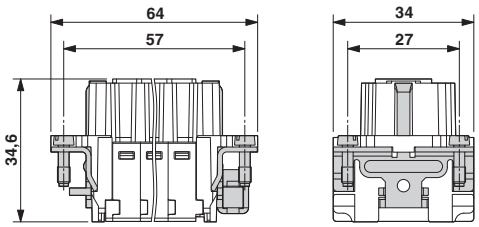
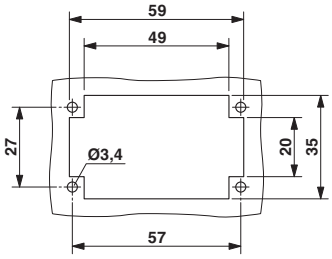
Dimensioned drawing



Female insert

Dimensioned drawing



Panel cutout

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