Contact insert - HC-B 10-I-DT-F - 1648209

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HEAVYCON female insert, B10 series, 10-pos., Push-in connection

Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	71.99 GRM
Custom tariff number	85366990
Country of origin	China

Technical data

General

Note	For HEAVYCON ADVANCE and HEAVYCON housing of B10 type. Coding using the CP-HC (1686478) coding profile. HC-B6.../ HC-B10... for two coding profiles. HC-B16.../ HC-B24... for 4 coding profiles. Connectors may be operated only when there is no load/voltage.
Connection method	Push-in 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
Conductor cross section	0.5 mm² ... 2.5 mm²
Connection cross section AWG	20 ... 14
Stripping length of the individual wire	10 mm (13 mm if ferrules are used)

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General

Assembly instructions	1) For single-stranded litz wires. For stranded wires use ferrules: 0.5 mm²... 2.5 mm² with / without insulating collar, length: 10 mm. 2) SZF0-0.4x2.5 screwdriver (similar to DIN 5264).
Connection	For housing type B10. Connectors may only be operated when there is no load/the power is switched off. Coding also using the CP-HC coding profile (1686478). HC-B6../HC-B10.. for 2 coding profiles. HC-B16../HC-B24.. for 4 coding profiles. Mounting/removal of 0.5 - 0.75 mm² wires using a screwdriver.

Ambient conditions

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

Material data

Inflammability class according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
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

UNSPSC

UNSPSC 6.01	30211923

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Classifications

UNSPSC

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	22-14
Nominal current IN	13 A
Nominal voltage UN	600 V

UL Recognized

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

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cUL Recognized

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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

Coding element

Coding profile - CP-HC - 1686478



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

Coding element - HC-CBU - 1676860



Coding socket for coding up to 16 connectors

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Accessories

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

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

Mounting material

Mounting material - HC-B-PES - 1604997



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

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Accessories

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

Plug assembly frame

Connector assembly frame - HC-SMR-B10 - 1687969



HEAVYCON connector assembly frame, for contact inserts of type B10

Plug mounting plate

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



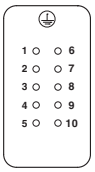
HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B10

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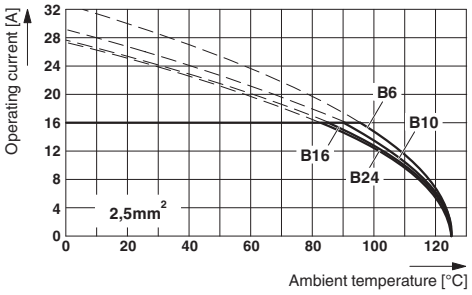
Accessories

Drawings

Schematic diagram

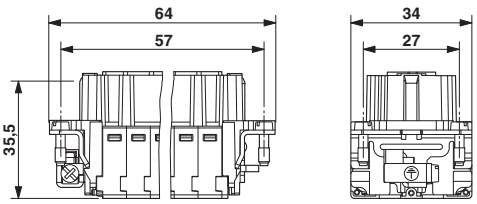


Diagram



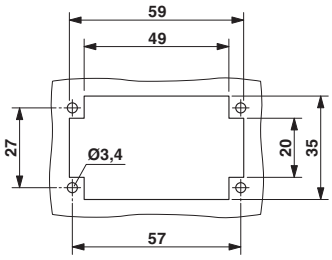
Derating diagram: HC-B...DT series

Dimensioned drawing



Female insert

Dimensioned drawing



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