Contact insert - HC-D 64-I-CT-F - 1584444

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HEAVYCON female insert, D64 series, 64-pos., crimp connection. PE connection using tension sleeve technology.

Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	94.0 GRM
Custom tariff number	85366990
Country of origin	China

Technical data

General

Note	For HC-D64 housing, crimp contacts CK1,6-ED (crimp contacts not included in scope of supply)
Connection method	Crimp connection
Pollution degree	3
Surge voltage category	III
Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Number of positions	64+PE
Insertion/withdrawal cycles	≥ 500
Design	B24
Connection in acc. with standard	IEC / EN
Conductor cross section	0.14 mm² ... 2.5 mm²
Connection cross section AWG	26 ... 14

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Technical data

General

Stripping length of the individual wire	8 mm
	6 mm (2.5 mm²)
Assembly instructions	- Use of HC-CST (1676857) coding pins and HC-CBU (1676860) coding sockets has been prescribed.
Connection	Connectors may be plugged in only when there is no load/voltage.

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 (alternatively Au)
Contact carrier material	PA

Electrical characteristics

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV
Rated current	10 A

Classifications

eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27261205
eCl@ss 7.0	27440207
eCl@ss 8.0	27440207

ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522

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Classifications

UNSPSC

UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

Accessories

Accessories

Assembly tool

Removal tool - VC-EW 1,6 - 1884869

Contact removal tool, for turned and rolled CK- 1.6-... contacts

Coding element

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

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Accessories

Dummy socket - CK1,6-ED-BB - 1645888

Dummy socket for contact carrier with turned CK 1,6-ED.. female contacts

Crimp contact

Crimp contact - CK1,6-ED-0,37BU AG - 1663394

Turned 1.6 crimp contact, individual female contact, core diameter 0.14 to 0.37 mm², silver-plated

Crimp contact - CK1,6-ED-0,50BU AG - 1663404

Turned 1.6 crimp contact, individual female contact, core diameter 0.5 mm², silver-plated

Crimp contact - CK1,6-ED-0,75BU AG - 1663417

Turned 1.6 crimp contact, individual female contact, core diameter 0.75 mm², silver-plated

Crimp contact - CK1,6-ED-1,00BU AG - 1663420

Turned 1.6 crimp contact, individual female contact, core diameter 0.75 to 1.00 mm², silver-plated

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Crimp contact - CK1,6-ED-1,50BU AG - 1663433

Turned 1.6 crimp contact, individual female contact, core diameter 1.5 mm², silver-plated

Crimp contact - CK1,6-ED-2,50BU AG - 1663446

Turned 1.6 crimp contact, individual female contact, core diameter 2.5 mm², silver-plated

Crimp contact - CK1,6-ED-0,37BU AU - 1674969

Turned 1.6 crimp contact, individual female contact, core diameter 0.14 to 0.37 mm², gold-plated

Crimp contact - CK1,6-ED-0,50BU AU - 1674480

Turned 1.6 crimp contact, individual female contact, core diameter 0.5 mm², gold-plated

Crimp contact - CK1,6-ED-0,75BU AU - 1672440

Turned 1.6 crimp contact, individual female contact, core diameter 0.75 mm², gold-plated

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Accessories

Crimp contact - CK1,6-ED-1,00BU AU - 1674943

Turned 1.6 crimp contact, individual female contact, core diameter 0.75 to 1.00 mm², gold-plated

Crimp contact - CK1,6-ED-1,50BU AU - 1674930

Turned 1.6 crimp contact, individual female contact, core diameter 1.5 mm², gold-plated

Crimp contact - CK1,6-ED-2,50BU AU - 1674985

Turned 1.6 crimp contact, individual female contact, core diameter 2.5 mm², gold-plated

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 24-ANDOCK - 1586141

Docking frame for racks, for contact inserts of B24 type, with four M5 flat headed screws, rack balance x/y axis +- 1.5 mm

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Accessories

Fiber optics contact

Female contact - CK1,6-ED-BU-POF - 1885004

Fiber optic pin contact POF, turned, for contact carriers of CK1,6-ED... contacts

Mounting material

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

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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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

Plug assembly frame

Connector assembly frame - HC-SMR-B24 - 1687985

HEAVYCON connector assembly frame, for contact inserts of type B24

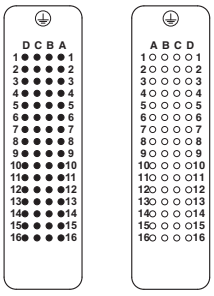
Plug mounting plate

Connector assembly frame - HC-SMP 150-B24-AMQ - 1660944

HEAVYCON connector assembly frame with panel mounting base with double locking latch, for contact inserts of type B24, 150 mm long

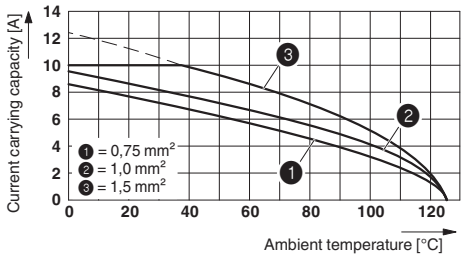
Drawings

Schematic diagram



Connector pin assignment connection side: Left pin; right socket

Diagram



Derating diagram: HC-D...C series

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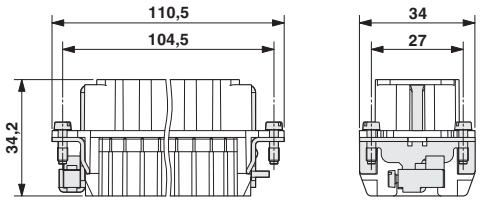
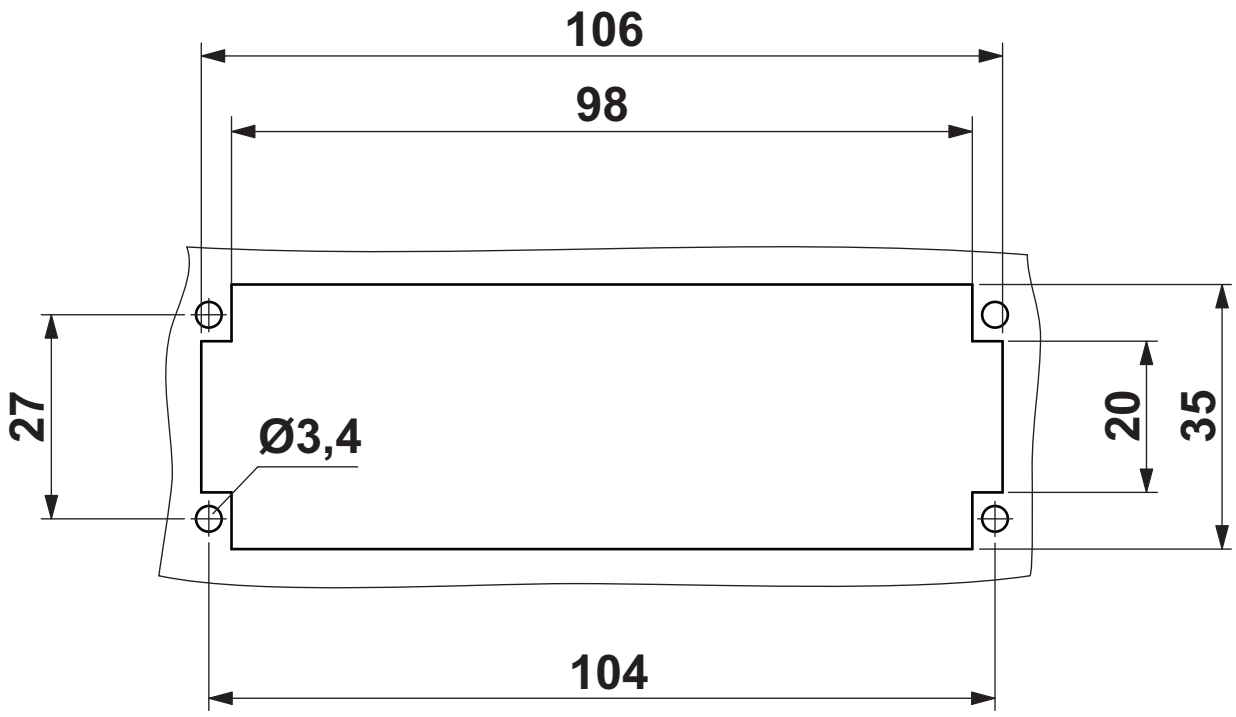
Dimensioned drawing



Female insert

Dimensioned drawing



Panel cutout

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