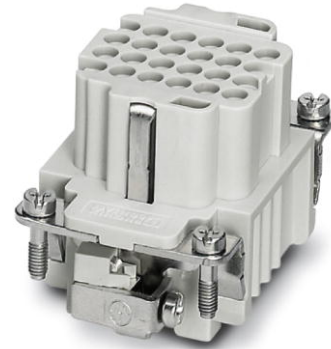



HC-DD24-I-CT-F

Order No.: 1584046




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1584046>

HEAVYCON female insert, DD24 series, 24-pos., crimp connection. PE connection using tension sleeve technology.

Commercial data	
GTIN (EAN)	
sales group	D004
Pack	10 pcs.
Customs tariff	85366990
Catalog page information	Page 442 (PC-2009)

Product notes

WEEE/RoHS-compliant since: 01/10/2008



<http://www.download.phoenixcontact.com>
 Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

General data	
Note	For HEAVYCON ADVANCE and HEAVYCON housing of B6 type, crimp contacts CK 1,6-ED (crimp contacts not included in the scope of supply). Plug-in connections may only be operated only when there is no load/voltage.
Connection method	Crimp connection
Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)

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	24
Insertion/withdrawal cycles	≥ 500
Design	DD24
Connection in acc. with standard	IEC / EN
Conductor cross-section	0.14 mm ² ... 2.5 mm ²
Connection cross-section AWG	26 ... 14
Stripping length of the individual wire	8 mm
	6 mm (2.5 mm ²)
Assembly instructions	-Housing heights with h ≥ 72 mm are recommended in the case of a large number of wires.-Use of HC-CST (1676857) keying pins and HC-CBU (1676860) coding sockets has been prescribed.
Connection	Connectors may be plugged in only when there is no load/voltage.

Material data

Inflammability class acc. 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

Certificates / Approvals



Certification

CSA, CUL, UL

Accessories

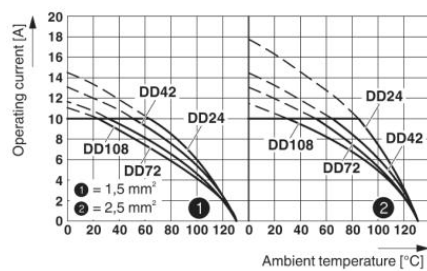
Item	Designation	Description
General		
1644326	HC-B-3PE	PE multiplier, for three PE connections, for HC-B (besides HC-B..E..ZZ) / HC-BB / HC-DD / HC-D40 / HC-D64 contact inserts
1604997	HC-B-PES	PE screw, for contact inserts HC-B / HC-BB / HC-DD / HC-D40 / HC-D64
1685327	HC-B-ZG	Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, straight cable exit
1685330	HC-B-ZS	Strain relief clamps contact inserts of series: B-, BB-, D 40, D 64, DD and HV, lateral cable exit
1772722	HC-CB	Coding pin, prevents mismatching of up to six plug connectors with an identical number of positions
1676860	HC-CBU	Keying socket for coding up to 16 plug connectors
1676857	HC-CST	Keying peg for coding up to 16 plug connectors
1687998	HC-SMR-2B 6	HEAVYCON connector assembly frame, for two contact inserts of type B6

Plug/Adapter

1686478	CP-HC	Keying profile, 4-section, for pushing into the keying grooves
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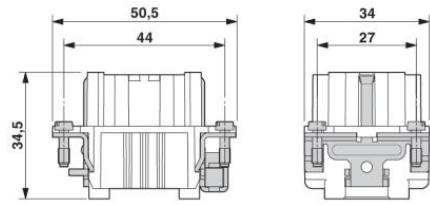
Diagrams/Drawings

Diagram

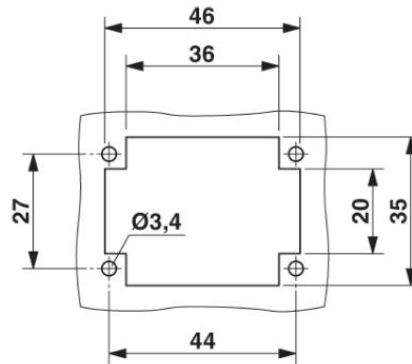


Derating diagram

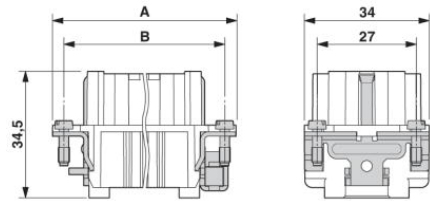
Dimensioned drawing



Female insert

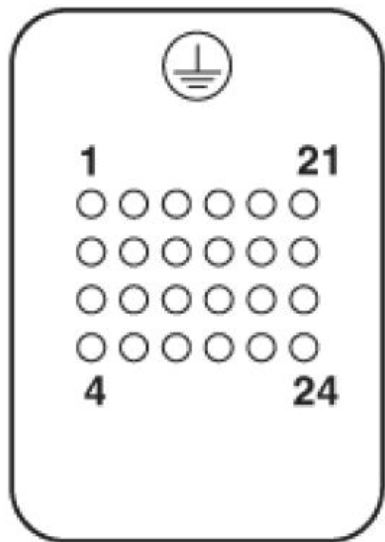


Panel cutout



Schematic diagram

Connector pin assignment, connection side



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