

Contact insert - HC-D 8-I-CT-F - 1584363

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Contact insert, number of positions: 8, size: D7, number of connections per position: 1, Socket, Crimp connection, 42 V, 10 A, 0.14 mm² ... 2.5 mm²

Your advantages

- ✓ Can be used in rail vehicles, satisfy DIN EN 45545-2 with requirement sets R22, R23, and R24 in hazard levels HL1, HL2, and HL3.



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 142625
GTIN	4046356142625
Weight per Piece (excluding packing)	24.000 g
Custom tariff number	85389099
Country of origin	China

Technical data

General

Note	For HC-D7 housing, crimp contacts CK1,6-ED (crimp contacts not included in scope of supply)
	Connectors may be operated only when there is no load/voltage.
	Product already includes one IP65 sealing screw
Connection method	Crimp connection
Torque	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Number of connections per position	1
Degree of pollution	3

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Technical data

General

Overvoltage category	III
Number of positions	8
Insertion/withdrawal cycles	≥ 500
Size	D7
Contact numbering	1 - 8
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 (0.14 ... 1.5 mm ²)
	6 mm (2.5 mm ²)
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required

Ambient conditions

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

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

Electrical characteristics

Rated voltage (III/3)	42 V
Rated surge voltage	0.8 kV
Rated current	10 A

Standards and Regulations

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
Flammability rating according to UL 94	V0
Standards/regulations	acc. to DIN EN 45545-2

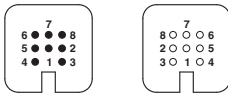
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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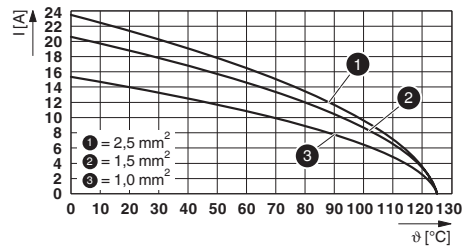
Drawings

Schematic diagram



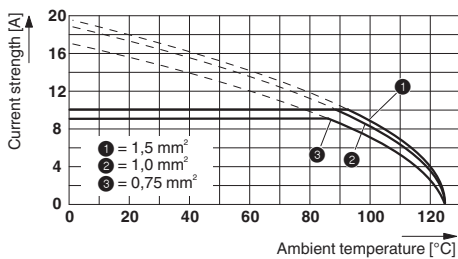
Connector pin assignment connection side: Left pin; right socket

Diagram



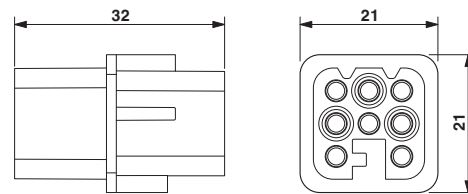
Derating diagram turned contacts

Diagram



Derating diagram: HC-D...C series

Dimensional drawing



Female insert

Classifications

eCl@ss

eCl@ss 10.0.1	27440205
eCl@ss 11.0	27440205
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 2.0	EC000438
ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 6.0	EC000438

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Classifications

ETIM

ETIM 7.0	EC000438
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UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

Approvals


Approvals


Approvals

CSA / UL Recognized / EAC / DNV GL / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		600 V	
Nominal current IN		10 A	
mm ² /AWG/kcmil		14	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN		600 V	

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Approvals

Nominal current I _N	12 A
mm ² /AWG/kcmil	14

EAC		RU C- DE.AI30.B.01102
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DNV GL		https://approvalfinder.dnvgl.com/	TAE000037S
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EAC		RU C- DE.BL08.B.00511
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Accessories

Accessories

Assembly tool

Assembly tool - UNIFOX MT-CK 1.6/2.5 - 1089092



Assembly tool, for CK 1.6... crimp contacts for small conductor cross sections

Coding element

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



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

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Accessories

Coding element - HC-CP-CK1.6-PL - 1095422



Coding element for HC-D and HC-DD contact inserts with pole loss. Installed in the socket contact chamber.

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



Crimp contact, contact diameter: 1.6 mm, turned, Socket, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 0.5 mm² ... 0.5 mm², AWG 20

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



Crimp contact, contact diameter: 1.6 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.75 mm² ... 0.75 mm², AWG 18

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



Crimp contact, contact diameter: 1.6 mm, turned, Socket, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 0.75 mm² ... 1 mm², AWG 18

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Accessories

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



Crimp contact, contact diameter: 1.6 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 0.5 mm² ... 0.5 mm², AWG 20

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



Crimp contact, contact diameter: 1.6 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 0.75 mm² ... 0.75 mm², AWG 18

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Accessories

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



Crimp contact, contact diameter: 1.6 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 0.75 mm² ... 1 mm², AWG 18

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



Crimp contact, contact diameter: 1.6 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 1.5 mm² ... 1.5 mm², AWG 16

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



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

Crimp contact - CK1,6-ER-1,00BU OIC AG - 1004362



Crimp contact, contact diameter: 1.6 mm, rolled, Socket, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 0.34 mm² ... 1 mm², AWG 22 ... 17

Crimp contact - CK1,6-ER-2,50BU OIC AG - 1004366



Crimp contact, contact diameter: 1.6 mm, rolled, Socket, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 1.5 mm² ... 2.5 mm², AWG 16 ... 14

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Accessories

Crimp contact - CK1,6-BR-1,00BU OIC AG - 1004381



Crimp contact, contact diameter: 1.6 mm, rolled, Socket, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 0.34 mm² ... 1 mm², AWG 22 ... 17, Taped products

Crimp contact - CK1,6-BR-2,50BU OIC AG - 1004383



Crimp contact, contact diameter: 1.6 mm, rolled, Socket, contact material: Cu alloy, nickel-plated, contact surface: silver-plated, connection cross section: 1.5 mm² ... 2.5 mm², AWG 16 ... 14, Taped products

Crimping tool

Crimping pliers - CRIMPFOX-TC 4 - 1212113



Crimping pliers, for CK 1,6-ED..., CK 2,5-ED..., CK 4,0-ED... turned contacts, 4 marked die stations, unlockable pressure lock, lateral entry, incl. positioning tool

Mounting material

Sealing screw - HC-D 7-DS-IP65 - 1686229



Sealing screw, size: Countersunk head, IP67, replacement part for D7 size HEAVYCON housing

Universal tools

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Accessories

Contact removal tool - UNIFOX RT-CK 1.6 - 1072069



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

Additional products

Contact insert - HC-D 8-I-CT-M - 1584350



Contact insert, number of positions: 8, size: D7, number of connections per position: 1, Pin, Crimp connection, 42 V, 10 A, 0.14 mm² ... 2.5 mm²