

Contact insert - HC-Q07-I-CT-M - 1418624

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Contact insert, number of positions: 7+PE, size: D7, number of connections per position: 1, Pin, Crimp connection, 400 V, 12 A, 0.14 mm² ... 2.5 mm²

Your advantages

- Contact insert including IP65 sealing screw



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 249377
GTIN	4055626249377

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.
Connection method	Crimp connection
	PE 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
Overvoltage category	III
Number of positions	7+PE
Insertion/withdrawal cycles	≥ 500
Size	D7
Contact numbering	1 - 7
Conductor cross section	0.14 mm ² ... 2.5 mm ²

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Technical data

General

Connection cross section AWG	26 ... 14
Stripping length of the individual wire	8 mm
	6 mm (2.5 mm ²)
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
Connection	Four different coding options to prevent mismatching.
	Contact insert including IP67 sealing screw.

Ambient conditions

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

Seal material	NBR, conductive
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

Electrical characteristics

Rated voltage (III/3)	400 V
Rated surge voltage	6 kV
Rated current	12 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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

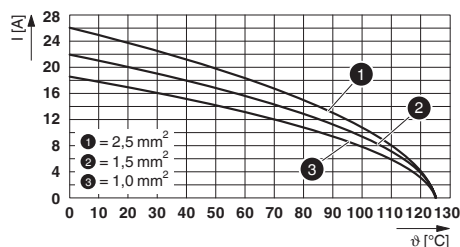
Contact insert - HC-Q07-I-CT-M - 1418624

Schematic diagram



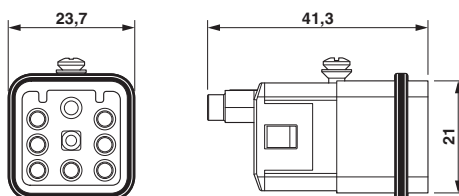
Connector pin assignment (connection side)

Diagram



Derating diagram turned contacts

Dimensional drawing



Male insert (turned contacts)

Classifications

eCl@ss

eCl@ss 10.0.1	27440205
eCl@ss 11.0	27440205
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 6.0	EC000438
ETIM 7.0	EC000438

UNSPSC

UNSPSC 13.2	39121522
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

Approvals

Approvals

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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		13.5 A	
mm ² /AWG/kcmil		14	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
Nominal voltage UN		600 V	
Nominal current IN		17.5 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

Contact insert - HC-Q07-I-CT-M - 1418624

Accessories

Contact removal tool - VC-EW 1,6 - 1884869



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

Coding element

Coding element - HC-CP-D07-PL - 1095413



Coding element for HC-D07 contact inserts of the HC-A03... / HC-A04... / HC-Q03... / HC-Q04... / HC-Q07... series

Crimp contact

Crimp contact - CK1,6-ED-0,37ST AG - 1663336



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

Crimp contact - CK1,6-ED-0,50ST AG - 1663349



Crimp contact, contact diameter: 1.6 mm, turned, Pin, 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-0,75ST AG - 1663352



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

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Accessories

Crimp contact - CK1,6-ED-1,00ST AG - 1663365



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

Crimp contact - CK1,6-ED-1,50ST AG - 1663378



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

Crimp contact - CK1,6-ED-2,50ST AG - 1663381



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: silver-plated, connection cross section: 2.5 mm² ... 2.5 mm², AWG 14

Crimp contact - CK1,6-ED-0,37ST AU - 1674901



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

Crimp contact - CK1,6-ED-0,50ST AU - 1672453



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

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Accessories

Crimp contact - CK1,6-ED-0,75ST AU - 1674914



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

Crimp contact - CK1,6-ED-1,00ST AU - 1674888



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

Crimp contact - CK1,6-ED-1,50ST AU - 1674875



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

Crimp contact - CK1,6-ED-2,50ST AU - 1674927



Crimp contact, contact diameter: 1.6 mm, turned, Pin, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 2.5 mm² ... 2.5 mm², AWG 14

Crimp contact - CK1,6-ER-1,00ST OIC AG - 1004360



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

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Accessories

Crimp contact - CK1,6-ER-2,50ST OIC AG - 1004365



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

Crimp contact - CK1,6-BR-1,00ST OIC AG - 1004380



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, 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-2,50ST OIC AG - 1004382



Crimp contact, contact diameter: 1.6 mm, rolled, Pin, 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

Fiber optics contact

Male contact - CK1,6-ED-ST-POF - 1884995



POF fiber optic pin contact, turned, for contact carriers (HC-DD...I-CT.../ HC-M-12-CT-.../ HC-M-17-CT-...) of CK1,6-ED... contacts

Mounting material

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Accessories

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



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

Seal

Profile gasket - HC-D07-SP-RBK - 1419622



Profile gasket, type: D7, for pin inserts

Additional products

Contact insert - HC-Q07-I-CT-F - 1418623



Contact insert, number of positions: 7+PE, size: D7, number of connections per position: 1, Socket, Crimp connection, 400 V, 12 A, 0.14 mm² ... 2.5 mm²

Spare parts

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



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