

Contact insert - HC-Q12-I-CT-F - 1418625

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HEAVYCON socket insert, Q12 series, 12-pos., crimp connection, with coding option

Why buy this product

- ✔ Can be keyed in seconds thanks to plastic profiles
- ✔ 16 coding options without loss of contact space.
- ✔ For all D7 housing designs
- ✔ Cost-effective and saves space thanks to high number of contacts within a small surface area
- ✔ Contact insert including IP65 sealing screw

Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	20.000 g
Custom tariff number	85389099
Country of origin	China

Technical data

General

Note	For D7 housing, CK1,6-ED crimp contacts (crimp contacts not supplied as standard)
Connection method	Crimp connection
Degree of pollution	3
Overvoltage category	III
Number of positions	12+PE
Insertion/withdrawal cycles	≥ 500
Size	D7
Conductor cross section	0.14 mm ² ... 2.5 mm ²

Contact insert - HC-Q12-I-CT-F - 1418625

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	Connectors may be operated only when there is no load/voltage.
Connection	Contact insert including IP65 sealing screw

Ambient conditions

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

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

Electrical characteristics

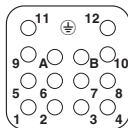
Rated voltage (III/3)	400 V
Rated surge voltage	6 kV
Rated current	10 A

Standards and Regulations

Flammability rating according to UL 94	V0
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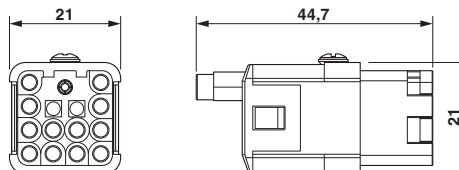
Drawings

Schematic diagram



Connector pin assignment, connection side

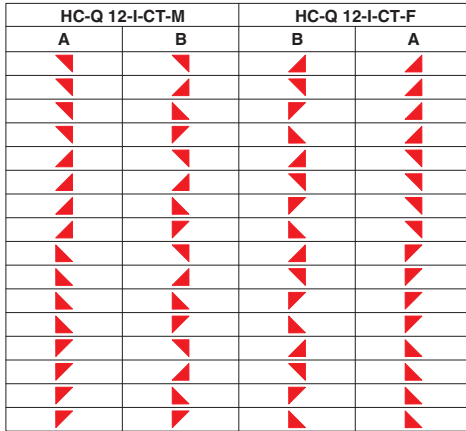
Dimensional drawing



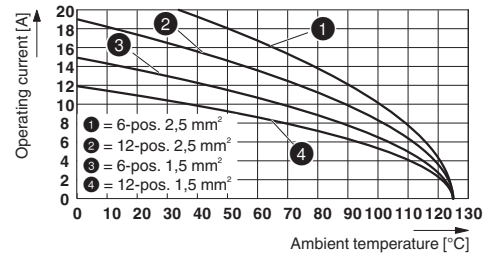
Dimensional drawing: HC-Q 12-I-CT-F

Contact insert - HC-Q12-I-CT-F - 1418625

Schematic diagram



Diagram



Derating diagram

Coding scheme

Classifications

eCl@ss

eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

ETIM

ETIM 5.0	EC000438
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Approvals

Approvals

Approvals

GL

Ex Approvals

Approval details

GL http://www.gl-group.com/newbuilding/approvals/index.html 6196614
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Contact insert - HC-Q12-I-CT-F - 1418625

Accessories

Accessories

Assembly tool

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



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

Coding element

Coding element - HC-Q 12-COD - 1409435



Coding profile for Q12 series

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

Contact insert - HC-Q12-I-CT-F - 1418625

Accessories

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

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

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Accessories

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

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

Contact insert - HC-Q12-I-CT-F - 1418625

Accessories

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...

Fiber optics contact

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



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