

Contact insert - HC-Q12-I-CT-M - 1418626

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HEAVYCON plug 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

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

Electrical characteristics

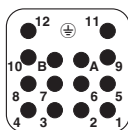
Rated voltage (III/3)	400 V
Rated surge voltage	6 kV
Rated current	10 A

Standards and Regulations

Flammability rating according to UL 94	V0
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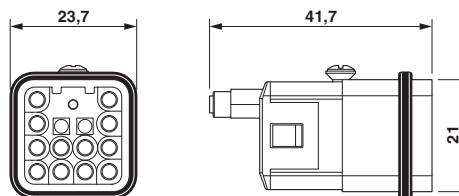
Drawings

Schematic diagram



Connector pin assignment, connection side

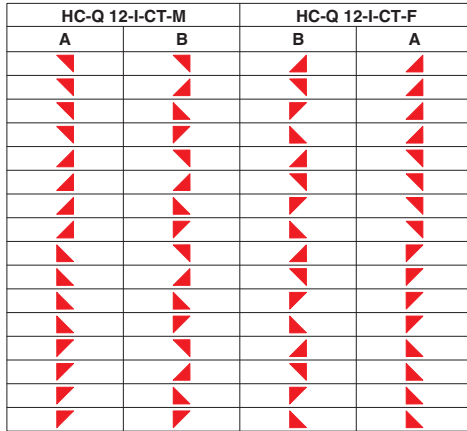
Dimensional drawing



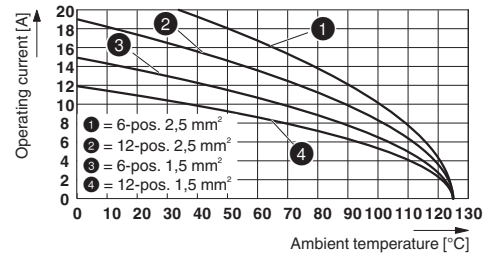
Dimensional drawing: HC-Q 12-I-CT-M

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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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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-0,37ST 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



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

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Accessories

Crimp contact - CK1,6-ED-0,75ST AG - 1663352



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

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



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

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



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

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



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

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

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Accessories

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



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

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



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

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



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

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



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

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



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

Crimping tool

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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...
