Contact insert module - HC-M-03/04-MOD-STC - 1585799

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://download.phoenixcontact.com)

HEAVYCON contact insert module, shock-proof pins, 3 power contacts / 4 control contacts, crimp connection

Key commercial data

Packing unit	1 PCE
Minimum order quantity	2 PCE
Weight per Piece (excluding packing)	14.62 GRM
Custom tariff number	85389099
Country of origin	Germany

Technical data

Electrical characteristics

Note	for housing HC-B6 to B48, for housing HC-ADVANCE-B6 to B24, hinged retaining frame HC-M-MHR... necessary, crimp connection, power contacts: CK 4,0-ED, control contacts: CK 1,6-ED (crimp contacts not included in scope of delivery)
Rated voltage (III/3)	830 V (power contacts)
	830 V (control contacts)
Rated current	40 A (power contacts)
	10 A (control contacts)
Rated surge voltage	8 kV (power contacts)
	8 kV (control contacts)

Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C

Mechanical characteristics

Conductor cross section	1.5 mm² ... 6 mm² (power contacts)
	0.14 mm² ... 2.5 mm² (control contacts)

Contact insert module - HC-M-03/04-MOD-STC - 1585799

Technical data

Mechanical characteristics

Connection cross section AWG	16 ... 10 (power contacts)
	26 ... 14 (control contacts)
Stripping length of the individual wire	9 mm (9.6 mm (4-6 mm²))
	8 mm (6 mm (2,5 mm²))
Wire diameter including insulation	5 mm (for power contacts)
Insertion/withdrawal cycles	≥ 500

General

Series	HC-M-03/04
Number of module slots	1
Connection method	Crimp connection (power contacts)
	Crimp connection (control contacts)
Inflammability class according to UL 94	V0
Pollution degree	3
Surge voltage category	III
Assembly instructions	For housing heights ≥ 52 mm. Plug-in connections may only be operated only when there is no load/voltage.
Connection	The module cannot be used simultaneously with the HC-B..-TMB-SD-IP65 and HC-B..-TMS-SD-IP65 protective covers.

Material data

Contact material	Copper alloy
Contact carrier material	PC

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440209

ETIM

ETIM 3.0	EC000438
ETIM 4.0	EC000438
ETIM 5.0	EC000438

Contact insert module - HC-M-03/04-MOD-STC - 1585799

Classifications

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

Approvals

Approvals

Approvals

UL Recognized / GOST

Ex Approvals

Approvals submitted

Approval details

UL Recognized

mm²/AWG/kcmil	18-10
Nominal voltage UN	600 V

GOST

Accessories

Accessories

Assembly tool

Contact insert module - HC-M-03/04-MOD-STC - 1585799

Accessories

Assembly tool - CK4,0-EWZ - 1662735

Contact removal tool, for rotated CK-4,0-... contacts

Removal tool - VC-EW 1,6 - 1884869

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

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

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

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

Contact insert module - HC-M-03/04-MOD-STC - 1585799

Accessories

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

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

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

Contact insert module - HC-M-03/04-MOD-STC - 1585799

Accessories

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

Crimp contact - CK4,0-ED-1,50ST AG - 1663239

Turned 4.0 crimp contact, individual male contact, core diameter 1.5 mm², silver-plated

Contact insert module - HC-M-03/04-MOD-STC - 1585799

Accessories

Crimp contact - CK4,0-ED-2,50ST AG - 1663242

Turned 4.0 crimp contact, individual male contact, core diameter 2.50 mm², silver-plated

Crimp contact - CK4,0-ED-4,00ST AG - 1663255

Turned 4.0 crimp contact, individual male contact, core diameter 4.00 mm², silver-plated

Crimp contact - CK4,0-ED-6,00ST AG - 1663268

Turned 4.0 crimp contact, individual male contact, core diameter 6.00 mm², silver-plated

Crimp contact - CK4,0-ED-10,00ST AG - 1586198

Turned 4.0 crimp contact, single male contact, 10 mm² conductor cross section, silver-plated

Crimping tool

Crimping pliers - CRIMPFOX-TC 4 - 1212113

Crimping pliers, for turned contacts, 0.5 - 4.0 mm², square crimp, incl. contact support

Contact insert module - HC-M-03/04-MOD-STC - 1585799

Accessories

Crimping pliers - CRIMPFOX-TC 10 - 1212114

Crimping pliers, for turned contacts, 6.0 - 10 mm², square crimp, incl. contact locator

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...

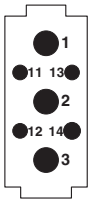
Fiber optics contact

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

Fiber optic pin contact POF, turned, for contact carriers of CK1,6-ED... contacts

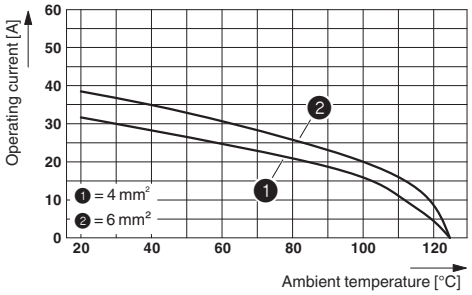
Drawings

Schematic diagram



Connector pin assignment, connection side

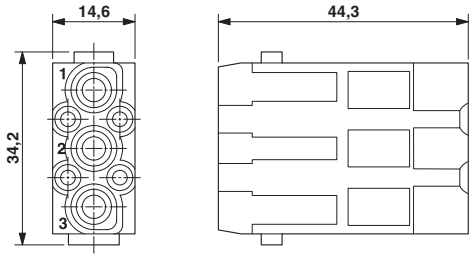
Diagram



Derating diagram (6 modules in HC-B 24 housing)

Contact insert module - HC-M-03/04-MOD-STC - 1585799

Dimensioned drawing



Pin module

© Phoenix Contact 2013 - all rights reserved
http://www.phoenixcontact.com