

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

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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
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#### Mechanical characteristics

Conductor cross section	1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> (power contacts)
	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (control contacts)

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### 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 mm <sup>2</sup> ))
	8 mm (6 mm (2,5 mm <sup>2</sup> ))
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

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## Classifications

### UNSPSC

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

## Approvals

### Approvals

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#### Approvals

UL Recognized / GOST

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#### Ex Approvals


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Approvals submitted

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## Approval details

UL Recognized 	
mm <sup>2</sup> /AWG/kcmil	18-10
Nominal voltage UN	600 V

GOST 
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## Accessories

Accessories

Assembly tool

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### Accessories

Assembly tool - CK4,0-EWZ - 1662735



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

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Removal tool - VC-EW 1,6 - 1884869



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

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### 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 mm<sup>2</sup>, silver-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 0.5 mm<sup>2</sup>, silver-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 mm<sup>2</sup>, silver-plated

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### 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 mm<sup>2</sup>, silver-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 1.5 mm<sup>2</sup>, silver-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 2.5 mm<sup>2</sup>, silver-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 0.14 to 0.37 mm<sup>2</sup>, gold-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 0.5 mm<sup>2</sup>, gold-plated

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### Accessories

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



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 mm<sup>2</sup>, gold-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 0.75 to 1.00 mm<sup>2</sup>, gold-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 1.5 mm<sup>2</sup>, gold-plated

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



Turned 1.6 crimp contact, individual male contact, core diameter 2.5 mm<sup>2</sup>, gold-plated

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



Turned 4.0 crimp contact, individual male contact, core diameter 1.5 mm<sup>2</sup>, silver-plated

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## 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 mm<sup>2</sup>, silver-plated

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



Turned 4.0 crimp contact, individual male contact, core diameter 4.00 mm<sup>2</sup>, silver-plated

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



Turned 4.0 crimp contact, individual male contact, core diameter 6.00 mm<sup>2</sup>, silver-plated

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



Turned 4.0 crimp contact, single male contact, 10 mm<sup>2</sup> conductor cross section, silver-plated

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### Crimping tool

Crimping pliers - CRIMPFOX-TC 4 - 1212113



Crimping pliers, for turned contacts, 0.5 - 4.0 mm<sup>2</sup>, square crimp, incl. contact support

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## Accessories

Crimping pliers - CRIMPFOX-TC 10 - 1212114



Crimping pliers, for turned contacts, 6.0 - 10 mm<sup>2</sup>, 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

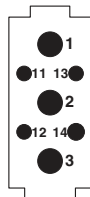
Male contact - CK1,6-ED-ST-POF - 1884995



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

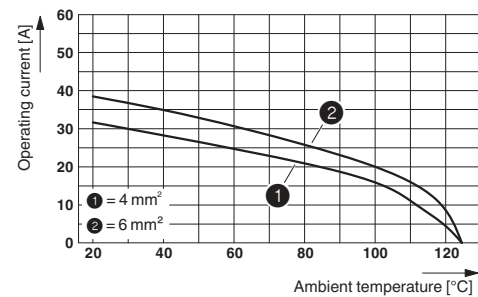
## Drawings

Schematic diagram



Connector pin assignment, connection side

Diagram

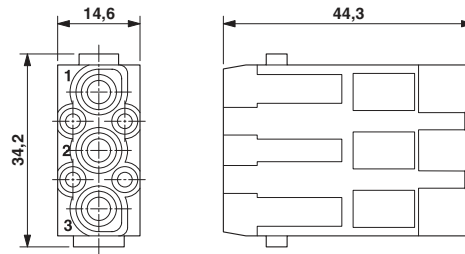


Derating diagram (6 modules in HC-B 24 housing)



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Dimensioned drawing



Pin module