

Contact insert - HC-HV03-I-CT-M - 1405260

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://phoenixcontact.com/download>)



HEAVYCON pin insert, for 830 V (III/3), with 3 N/O contacts and 2 switch contacts, crimp connection



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4055626063485
Weight per Piece (excluding packing)	50.000 g
Custom tariff number	85366990
Country of origin	China

Technical data

General

Note	For HC ADVANCE-B10, HC-HV 3 housings, crimp contacts CK 2,5-ED (crimp contacts not included in scope of supply)
	Connectors may be operated only when there is no load/voltage.
Connection method	Crimp connection
Torque	0.8 Nm ... 1.2 Nm (PE connection)
	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	3+2+PE
No. of power contacts	3

Contact insert - HC-HV03-I-CT-M - 1405260

Technical data

General

No. of control contacts	2
Insertion/withdrawal cycles	≥ 500
Size	B10
Conductor cross section	0.5 mm ² ... 4 mm ² (power contacts)
	0.5 mm ² ... 4 mm ² (control contacts)
Connection cross section AWG	20 ... 12 (power contacts)
	20 ... 12 (control contacts)
Stripping length of the individual wire	7.5 mm (Power contact)
	7.5 mm (control contact)
Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required

Ambient conditions

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

Material data

Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PA
Standards/regulations	PA: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)
	PA: Fire protection in rail vehicles - requirement set R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Electrical characteristics

Rated voltage (III/3)	830 V (power contacts)
	500 V (control contacts)
Rated surge voltage	8 kV (power contacts)
	6 kV (control contacts)
Rated current	16 A (power contacts)
	16 A (control contacts)

Standards and Regulations

Flammability rating according to UL 94	V0
--	----

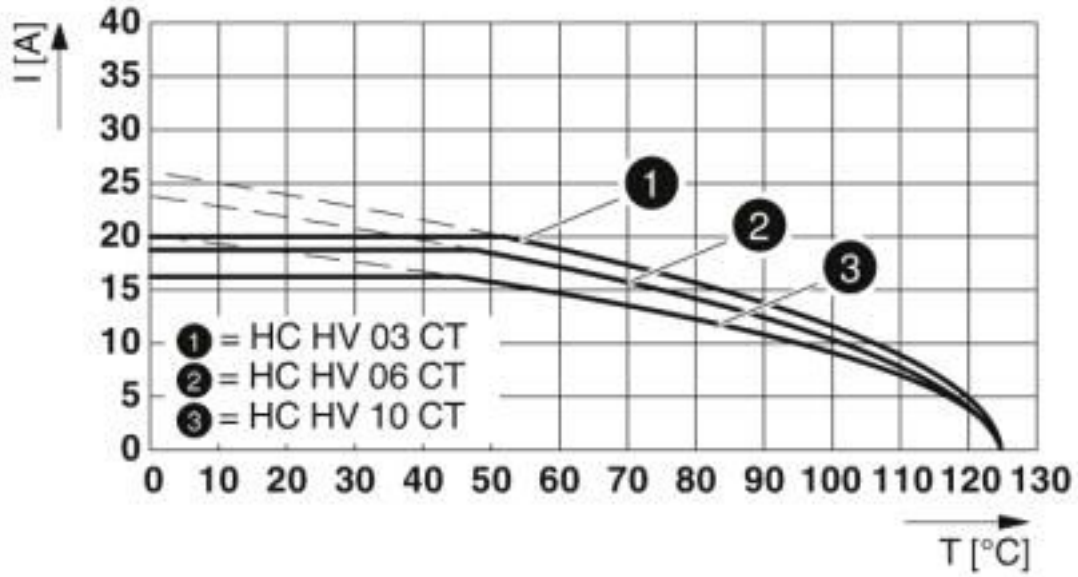
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

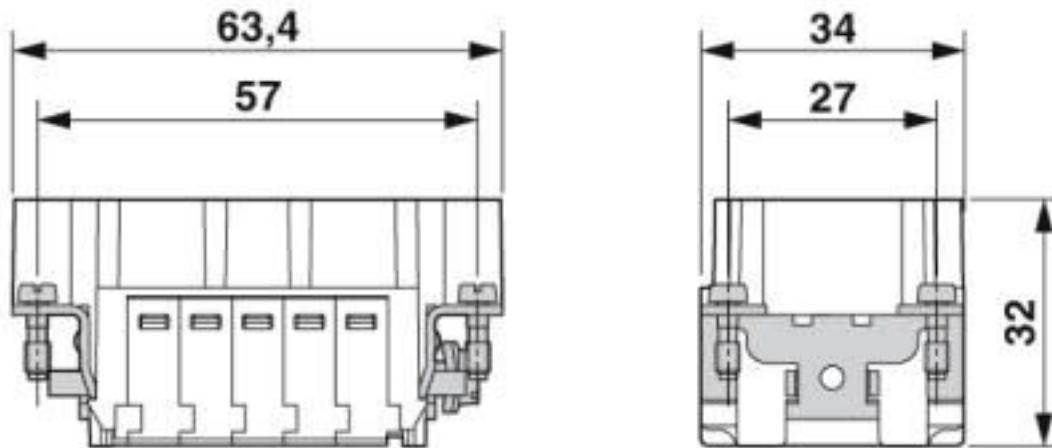
Contact insert - HC-HV03-I-CT-M - 1405260

Diagram



Derating diagram

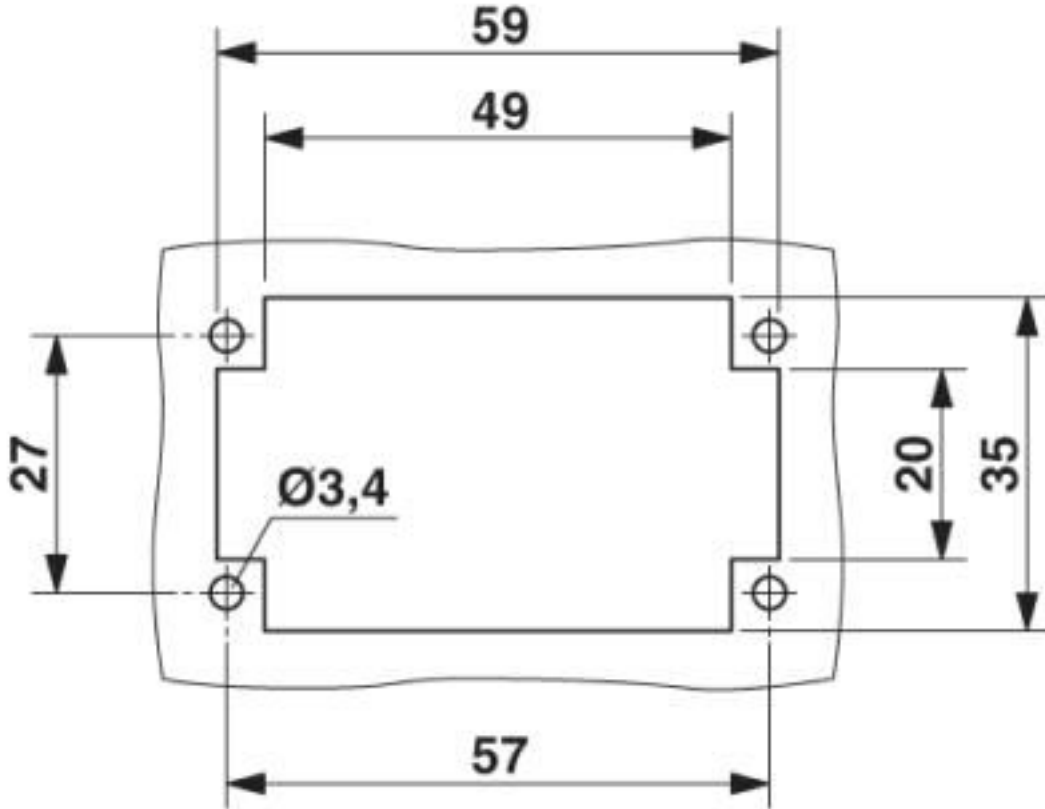
Dimensional drawing



Dimensional drawing

Contact insert - HC-HV03-I-CT-M - 1405260

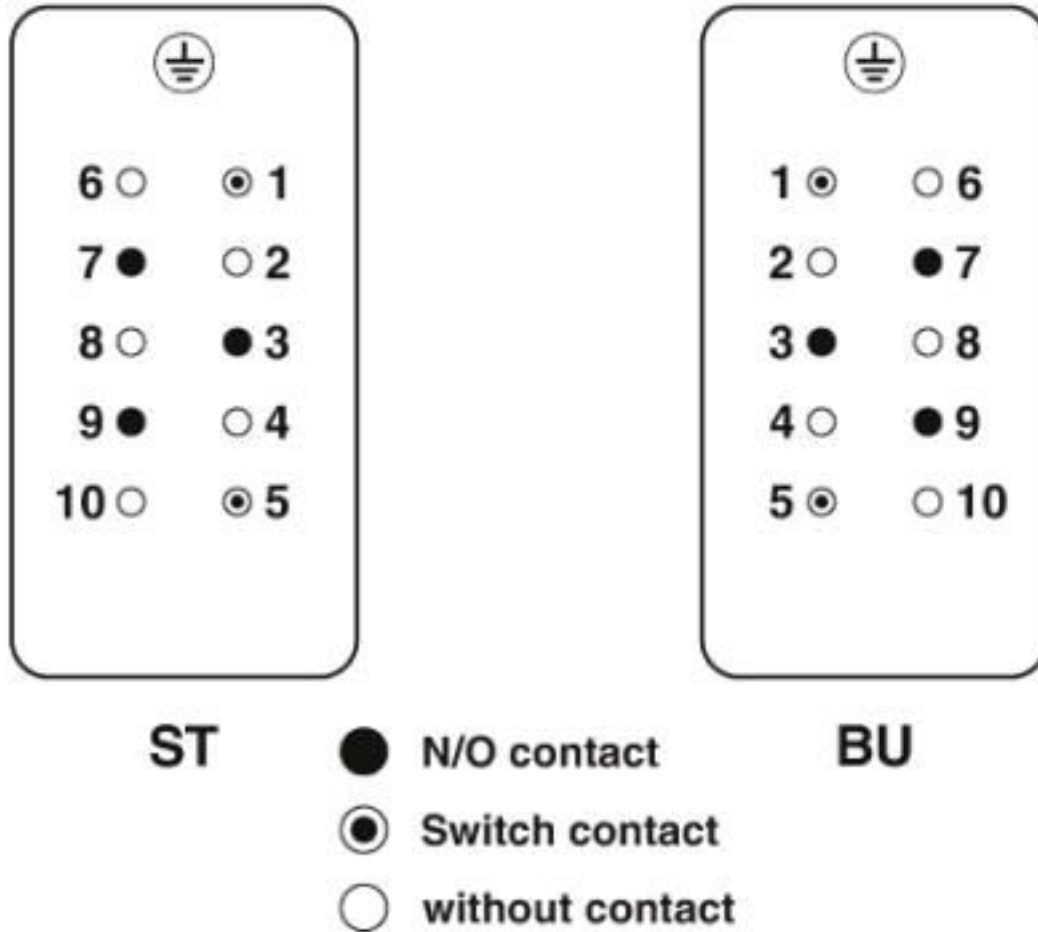
Dimensional drawing



Mounting cutout when used without housing

Contact insert - HC-HV03-I-CT-M - 1405260

Schematic diagram



View termination side

Classifications

eCl@ss

eCl@ss 10.0.1	27440205
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

Contact insert - HC-HV03-I-CT-M - 1405260

Classifications

ETIM

ETIM 5.0	EC000438
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


Approvals

UL Recognized / EAC / DNV GL / EAC

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E118976
Nominal voltage UN	600 V		
Nominal current IN	16 A		
mm ² /AWG/kcmil	12		

EAC		RU C- DE.AI30.B.01102
-----	---	--------------------------

Contact insert - HC-HV03-I-CT-M - 1405260

Approvals

DNV GL		https://approvalfinder.dnvgl.com/	TAE000037S
--------	--	---	------------

EAC			RU C- DE.BL08.B.00511
-----	--	--	--------------------------

Accessories

Accessories

Crimp contact

Crimp contact - CK2,5-ED-0,50ST AG - 1663572



Turned 2.5 crimp contact, individual male contact, core diameter 0.5 mm², silver-plated

Crimp contact - CK2,5-ED-0,75ST AG - 1663585



Turned 2.5 crimp contact, individual male contact, core diameter 0.75 mm², silver-plated

Crimp contact - CK2,5-ED-1,00ST AG - 1663598



Turned 2.5 crimp contact, individual male contact, core diameter 0.75 to 1.00 mm², silver-plated

Contact insert - HC-HV03-I-CT-M - 1405260

Accessories

Crimp contact - CK2,5-ED-1,50ST AG - 1663608



Turned 2.5 crimp contact, individual male contact, core diameter 1.5 mm², silver-plated

Crimp contact - CK2,5-ED-2,50ST AG - 1663611



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

Crimp contact - CK2,5-ED-3,00ST AG - 1663624



Turned 2.5 crimp contact, individual male contact, core diameter 3.00 mm², silver-plated

Crimp contact - CK2,5-ED-4,00ST AG - 1663637



Turned 2.5 crimp contact, individual male contact, core diameter 4.00 mm², silver-plated

Crimp contact - CK2,5-ED-0,50ST AU - 1674804



Turned 2.5 crimp contact, individual male contact, core diameter 0.5 mm², gold-plated

Contact insert - HC-HV03-I-CT-M - 1405260

Accessories

Crimp contact - CK2,5-ED-1,00ST AU - 1674781



Turned 2.5 crimp contact, individual male contact, core diameter 0.75 to 1.0 mm², gold-plated

Crimp contact - CK2,5-ED-1,50ST AU - 1674778



Turned 2.5 crimp contact, individual male contact, core diameter 1.5 mm², gold-plated

Crimp contact - CK2,5-ED-2,50ST AU - 1674817



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

Crimp contact - CK2,5-ED-4,00ST AU - 1674794



Turned 2.5 crimp contact, individual male contact, core diameter 4.00 mm², gold-plated

Additional products

Contact insert - HC-HV03-I-CT-F - 1405261



HEAVYCON socket insert, for 830 V (III/3), with 3 N/O contacts and 2 switch contacts, crimp connection
