

HC-HV06-I-CT-F - Contact insert

1405263

<https://www.phoenixcontact.com/no/products/1405263>



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Contact insert, number of positions: 6+2+PE, size: B16, power contacts: 6, control contacts: 2, number of connections per position: 1, Socket, Crimp connection, 690 V, 16 A, 0.5 mm² ... 4 mm²

Commercial data

Item number	1405263
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	31BBF
Product key	BF7ABG
Catalog page	Page 561 (C-2-2019)
GTIN	4055626063515
Weight per piece (including packing)	72.92 g
Weight per piece (excluding packing)	48.9 g
Customs tariff number	85389099
Country of origin	CN

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Technical data

Notes

General	For HC ADVANCE-B16, HC-HV 6 housings, crimp contacts CK 2,5-ED (crimp contacts not included in scope of supply)
General	Connectors may be operated only when there is no load/voltage.

Mounting

Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required
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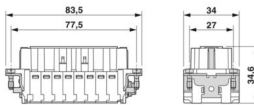
Product properties

Type	B16 B32
Product type	Contact insert with a fixed no. of positions
Number of positions	8
Connection profile	6+2+PE
Number of connections per position	1
No. of power contacts	6
No. of control contacts	2
Contact material type	turned
Series	HC-HV

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	34.6 mm
Length	84 mm
Drill hole distance, horizontal	77.5 mm
Drill hole distance, vertical	27 mm

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

Connection technology

Connection technology	Crimp connection
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	Crimp connection
Number of connections per position	1
Conductor connection	
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)
Tightening torque	0.8 Nm ... 1.2 Nm (PE connection)
	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Stripping length of the individual wire	7.5 mm (Power)
	7.5 mm (Signal)

Electrical properties

Rated voltage (III/2) contacts	830 V
Rated voltage (III/3)	690 V
	690 V
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV
Rated surge voltage	8 kV (power contacts)
	6 kV (control contacts)
Rated current	16 A (power contacts)
	16 A (control contacts)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC
Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Environmental and real-life conditions

Ambient conditions

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

Testing

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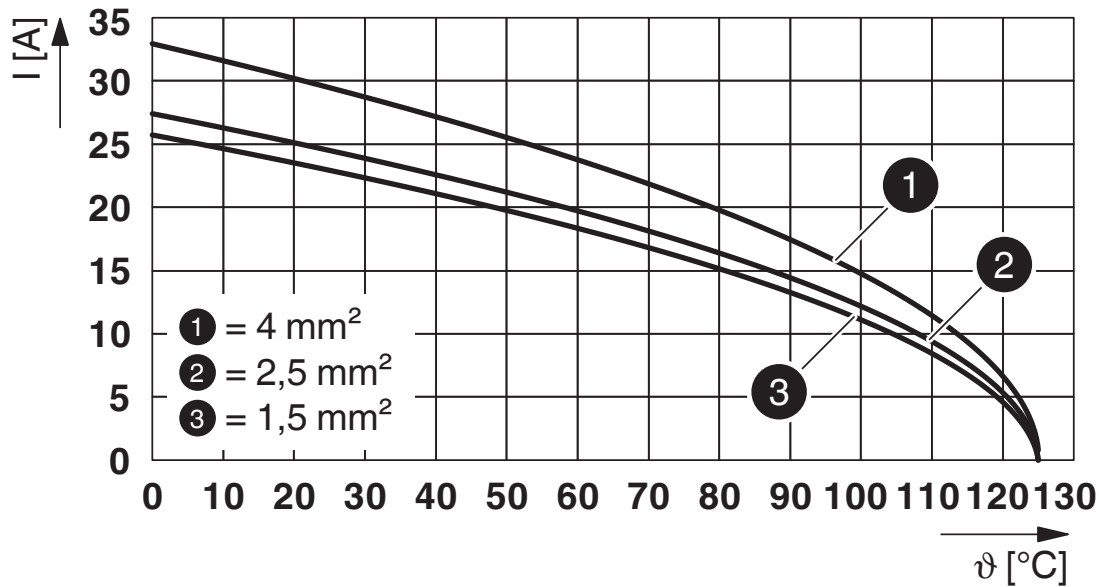
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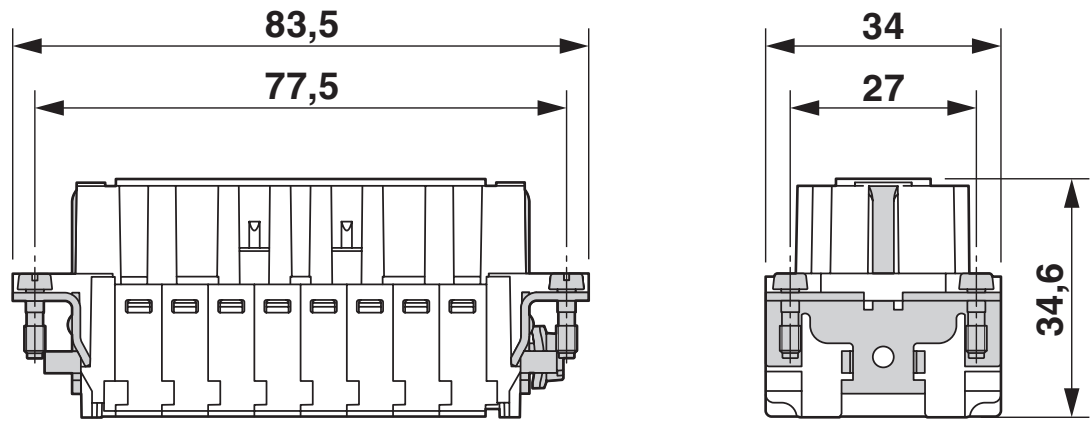
Drawings

Diagram



Derating diagram

Dimensional drawing



Dimensional drawing

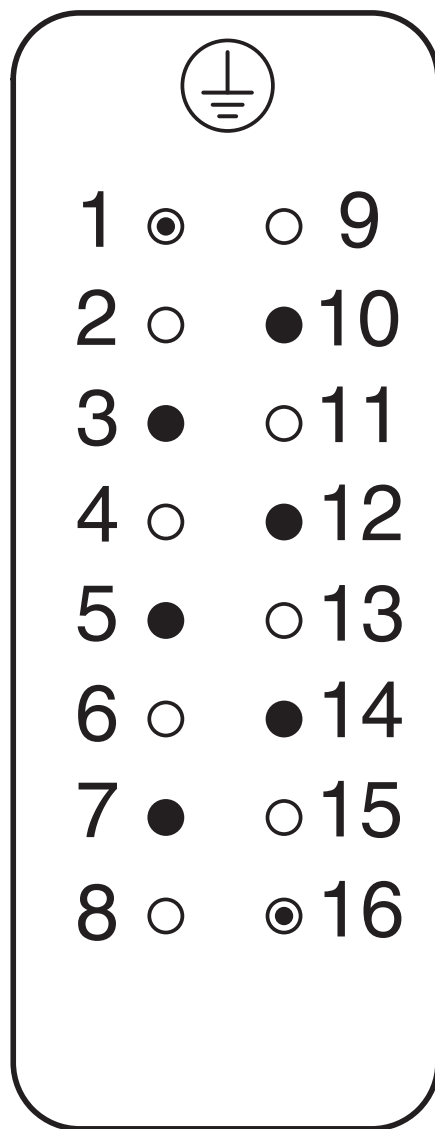
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Schematic diagram



Connector pin assignment

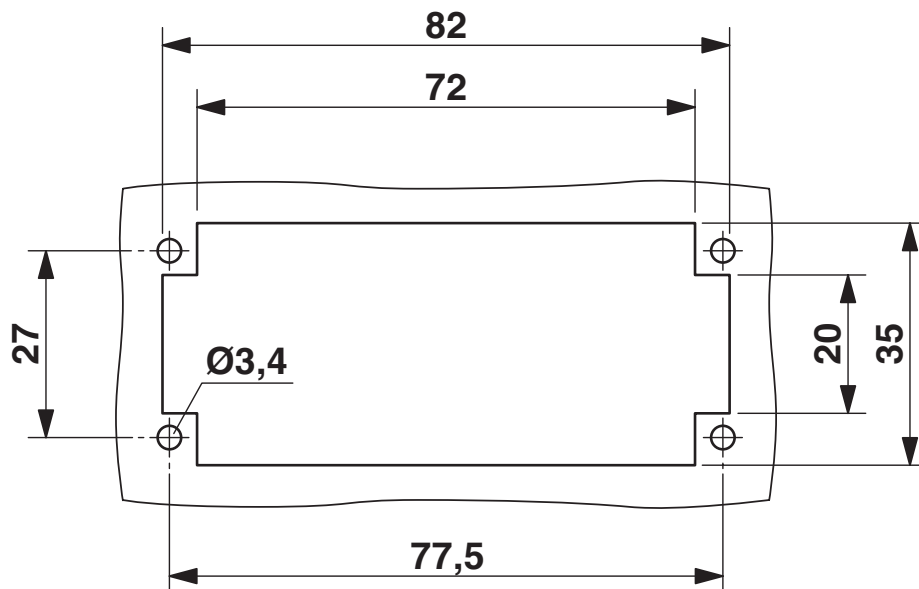
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Dimensional drawing



Mounting cutout when used without housing

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/no/products/1405263>

DNV

Approval ID: TAE000037S

	CSA Approval ID: 013631_6233_01			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	20 A	20 - 12	-

EAC

Approval ID: RU C-DE.BL08.B.00511

	cULus Recognized Approval ID: E468743			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	16 A	- 12	-

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Classifications

ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

ETIM

ETIM 9.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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Environmental product compliance

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

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PHOENIX CONTACT AS
Strømsveien 344
N-1081 Oslo
+47 22 07 68 00
norge@phoenixcontact.com