

HC-COM- 8-ESTC - Contact insert



1408481

<https://www.phoenixcontact.com/no/products/1408481>

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Contact insert, number of positions: 8+PE, size: COM, power contacts: 8, control contacts: 0, number of connections per position: 1, Pin, Crimp connection, 500 V, 16 A, 0.5 mm² ... 4 mm², application: Power

Product description

Contact insert, incl. 4 mounting screws

Commercial data

Item number	1408481
Packing unit	2 pc
Minimum order quantity	2 pc
Sales key	31BBF
Product key	BF7ABH
Catalog page	Page 649 (C-2-2017)
GTIN	4046356618199
Weight per piece (including packing)	18.05 g
Weight per piece (excluding packing)	18.05 g
Customs tariff number	85366990
Country of origin	CN

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Technical data

Notes

General	For crimp contacts CK2,5-ED...
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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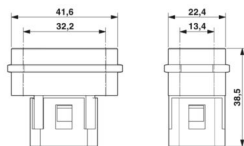
Product properties

Type	COM
Product type	Contact insert with a fixed no. of positions
Number of positions	8
Connection profile	8+PE
Contact numbering	1 - 8
Application	Power
Number of connections per position	1
No. of power contacts	8
No. of control contacts	0
Contact material type	turned
Series	HC-COM

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	25.6 mm
Height	38.5 mm
Length	45 mm

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

Connection technology

Connection technology	Crimp connection
Number of connections per position	1

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Connection in acc. with standard	IEC / EN
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Conductor connection

Conductor cross section	0.5 mm ² ... 4 mm ²
Connection cross section AWG	20 ... 12
Stripping length of the individual wire	7.5 mm

Electrical properties

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

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Material specifications

Flammability rating according to UL 94	V0
Seal material Profile gasket	NBR
Contact material	Copper alloy
Contact surface material	Ag (alternatively Au)
Contact carrier material	PC

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 100 °C (including heating up of contacts)
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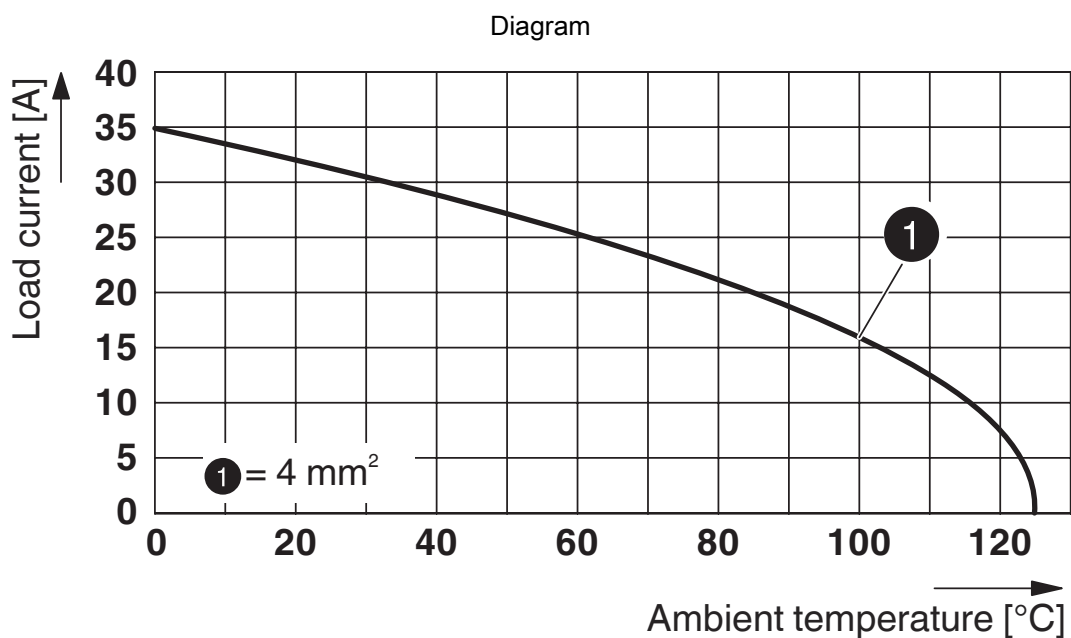
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Drawings



Derating diagram for 4 mm²

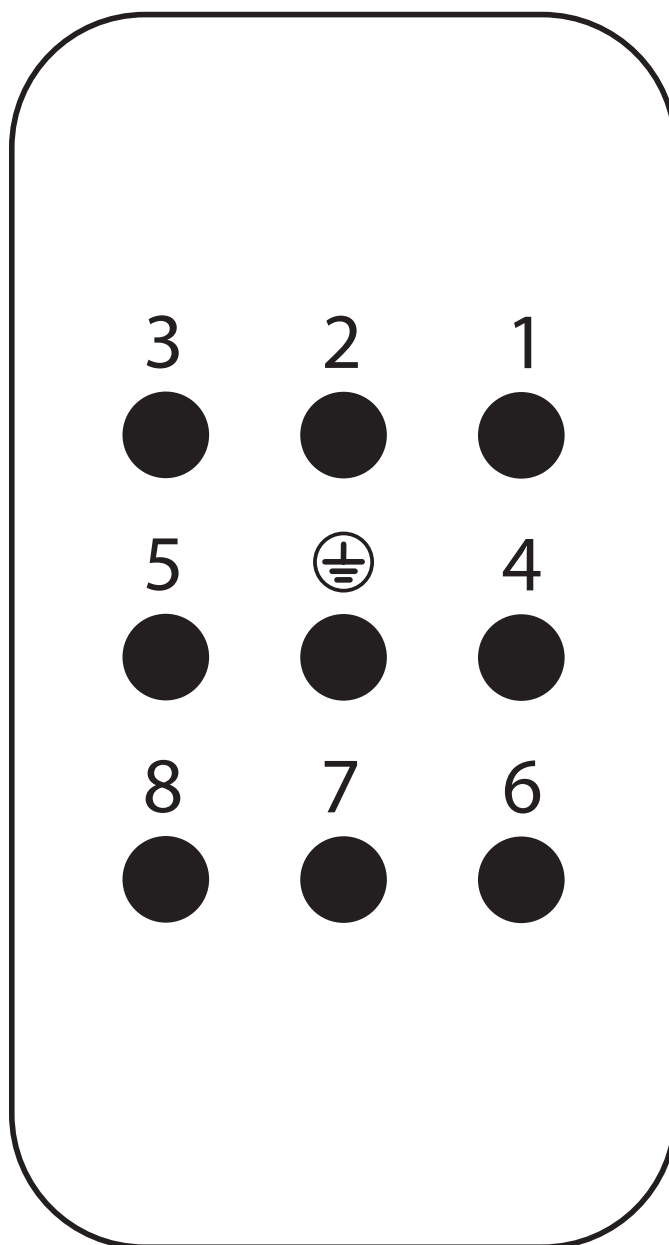
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Schematic diagram



Connector pin assignment, connection side

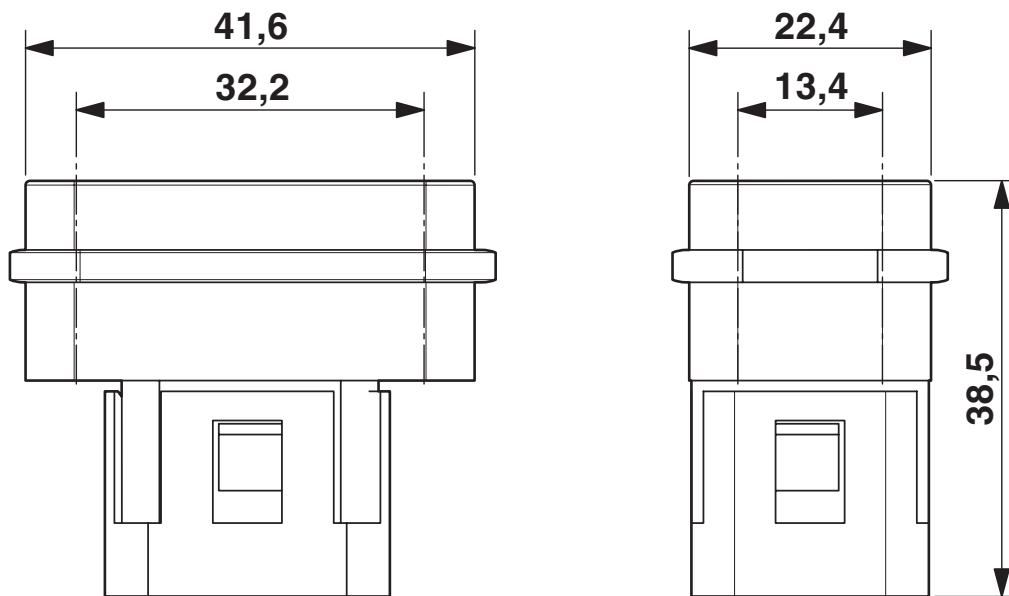
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Dimensional drawing



HC-COM-8-ESTC dimensional drawing

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/no/products/1408481>

CSA Approval ID: 260458				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	19 A	20 - 12	-

cUL Recognized Approval ID: FILE E 118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	-	20 - 12	-

UL Recognized Approval ID: FILE E 118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	-	20 - 12	-

EAC Approval ID: RU C-DE.AI30.B.01102				
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EAC Approval ID: RU C-DE.BL08.B.00511				
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cULus Recognized				
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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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