

HC-COM- 8-ESTC - Contact insert



1408481

<https://www.phoenixcontact.com/us/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, Only suitable for plastic housings

Product description

Contact insert, incl. 4 mounting screws

Your advantages

- Shock and vibration-resistant in accordance with DIN EN 61373

Commercial data

Item number	1408481
Packing unit	2 pc
Minimum order quantity	2 pc
Sales key	BF61
Product key	AF7ABH
GTIN	4046356618199
Weight per piece (including packing)	18.05 g
Weight per piece (excluding packing)	18.05 g
Customs tariff number	85389099
Country of origin	CN

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Technical data

Mounting

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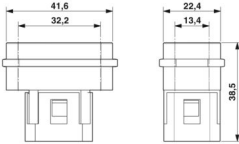
Product properties

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

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
Connection in acc. with standard	IEC / EN

Conductor connection

Conductor cross-section	0.5 mm ² ... 4 mm ²
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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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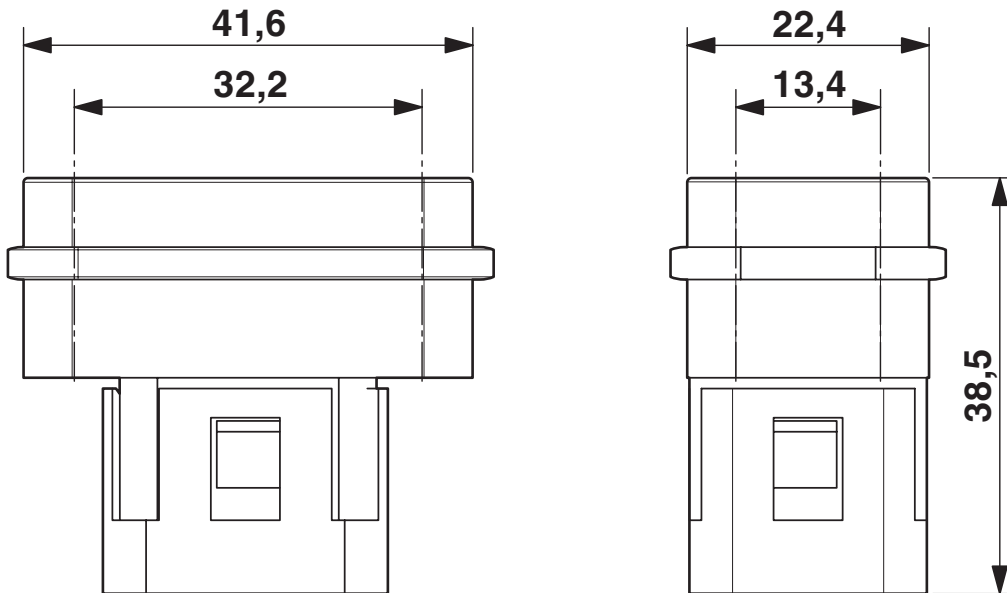


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Drawings

Dimensional drawing



HC-COM-8-ESTC dimensional drawing

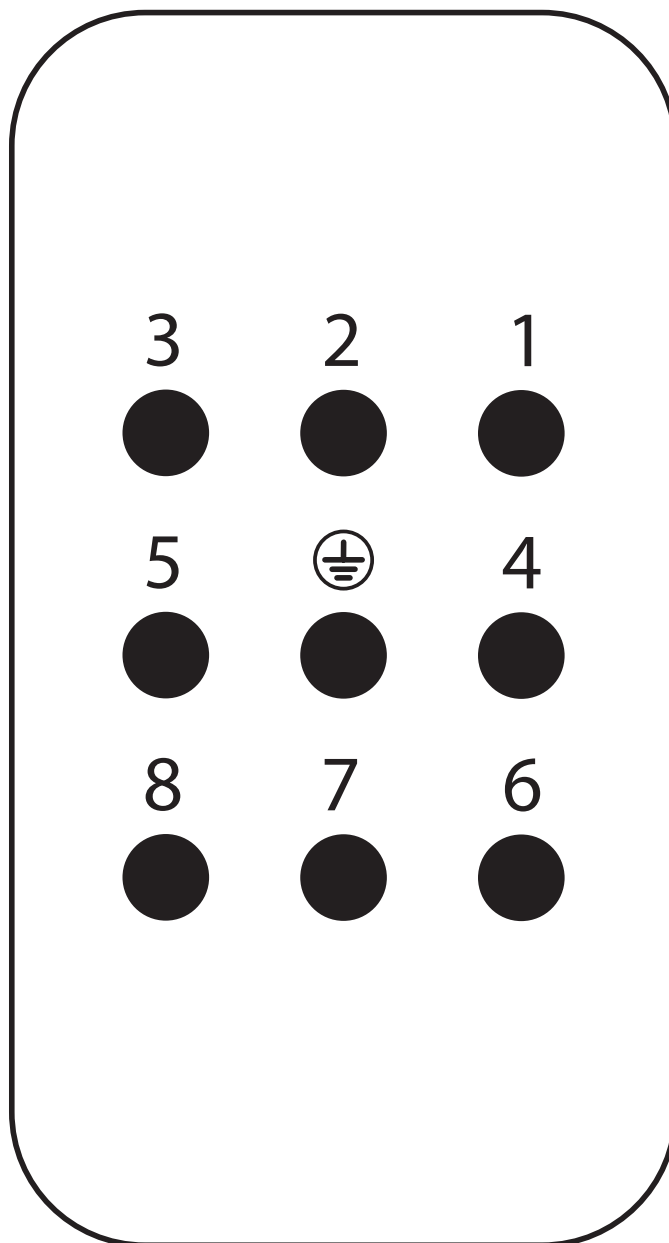
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Schematic diagram



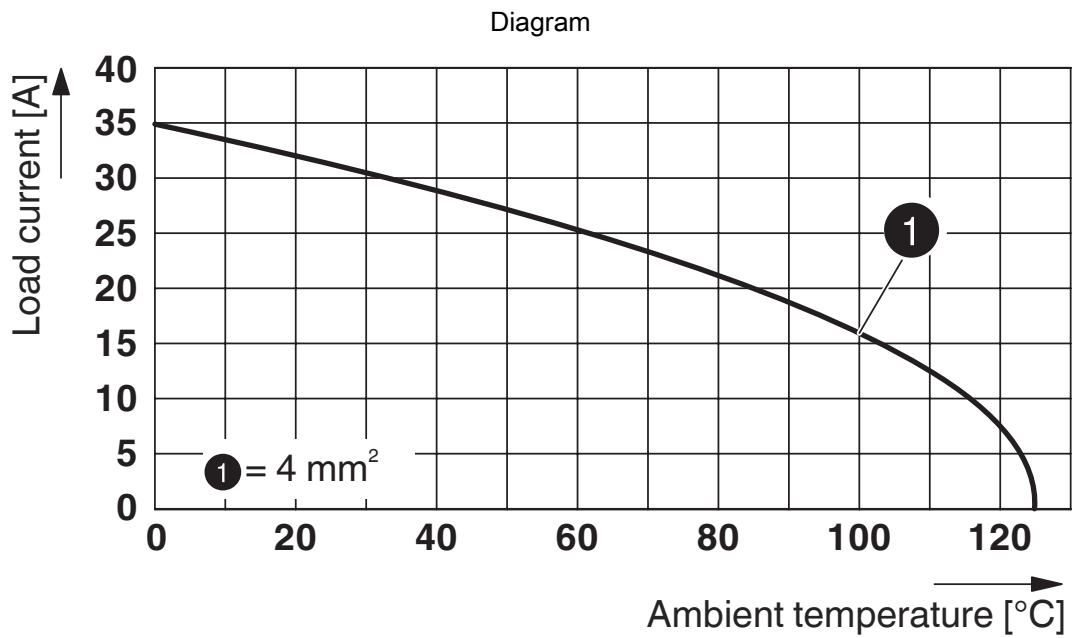
Connector pin assignment, connection side

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Derating diagram for 4 mm²

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1408481>

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

 cUL Recognized Approval ID: E118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	-	20 - 12	-

 UL Recognized Approval ID: E118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	-	20 - 12	-

 EAC Approval ID: RU C-DE.AI30.B.01102				
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Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

ETIM

ETIM 9.0	EC000438
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UNSPSC

UNSPSC 21.0	39121500
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	Perfluorobutane sulfonic acid (PFBS) and its salts(CAS: n/a)
	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol(CAS: 119-47-1)
SCIP	76c7aad8-a8c2-4656-8cbd-e33904d0e5bb

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