

# 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 mm<sup>2</sup> ... 4 mm<sup>2</sup>, 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	BF61
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	85389099
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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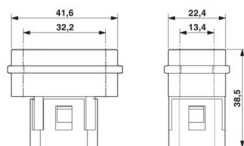
### Product properties

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 <sup>2</sup> ... 4 mm <sup>2</sup>
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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## 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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