

# HC-A16-I-PT-F - Contact insert



1585388

<https://www.phoenixcontact.com/us/products/1585388>

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Contact insert, number of positions: 16+PE, size: D25, number of connections per position: 1, Socket, Push-in connection, 250 V, 16 A, 0.14 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

## Your advantages

- Easy installation without tools, even when mounted, with push-in connection technology
- Shortest installation time compared to other connection technologies
- Quick and effortless wiring, in particular when space is tight
- Automatic cabling with robots possible
- Safe wiring and operation with color-coded actuators
- Shock and vibration-resistant in accordance with DIN EN 61373
- Cost-effective and fast coding with plastic profiles

## Commercial data

Item number	1585388
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	BF7ABB
Catalog page	Page 521 (C-2-2019)
GTIN	4046356285117
Weight per piece (including packing)	59.2 g
Weight per piece (excluding packing)	59.2 g
Customs tariff number	85366990
Country of origin	CN

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## Technical data

### Notes

General	only use flexible conductors with ferrules
General	Connectors may be operated only when there is no load/voltage.
General	for HC-D25 / HC-D 50 housing

### Mounting

Assembly instructions	To ensure correct use, installation in housing with IP54 protection or better is required for plastic coding profiles: 4 pcs.
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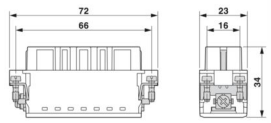
### Product properties

Type	D25 D50
Product type	Contact insert with a fixed no. of positions
Number of positions	16
Connection profile	16+PE
Contact numbering	1 - 16
Number of connections per position	1
Contact material type	rolled
Series	HC-A
Screwdriver blade	0.5 x 3.5 mm

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

Dimensional drawing	
Width	23 mm
Height	31.5 mm
Length	72 mm
Drill hole distance, horizontal	66 mm
Drill hole distance, vertical	16 mm

### Mechanical characteristics

Contact diameter	2.5 mm
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### Connection data

Connection technology

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Connection technology	Push-in connection
Number of connections per position	1

## Conductor connection

Conductor cross section	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	26 ... 14
Tightening torque	0.7 Nm ... 1 Nm (PE connection) 0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Stripping length of the individual wire	8 mm

## Electrical properties

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV 4 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
Contact material	Copper alloy
Contact surface material	Ag
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

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
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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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