

# HC-TSC-B06-I-UT-F-CE - Contact insert

1541918

<https://www.phoenixcontact.com/us/products/1541918>



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Contact insert, number of positions: 6+PE, size: B6, Socket, Screw connection, 200 V, 16 A, 1.5 mm<sup>2</sup> ... 6 mm<sup>2</sup>, with short-circuit function

## Product description

Contact insert with short-circuit function. If the connector is pulled out, all contacts are short circuited.

## Your advantages

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

## Commercial data

Item number	1541918
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	AF7ABC
GTIN	4067923014275
Weight per piece (including packing)	73.4 g
Weight per piece (excluding packing)	72 g
Customs tariff number	85366990
Country of origin	CN

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## Technical data

### Notes

General	Please observe the circuit diagram
General	Use at least 1.5 mm <sup>2</sup> cables with a maximum conductor loop of 2 m. No open conductor loops permitted!

### Product properties

Product type	Contact insert with a fixed no. of positions
Type	B6
Number of positions	6
Connection profile	6+PE

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

#### Mechanical characteristics

Contact diameter	2.5 mm
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### Connection data

#### Connection technology

Connection technology	Screw connection
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#### Conductor connection

Conductor cross section	1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Connection cross section AWG	16 ... 10
Tightening torque	1.2 Nm
Stripping length of the individual wire	10 mm

### Electrical properties

Rated voltage (III/3)	200 V (when plugged in) 20 V (Unplugged and during plugging)
Rated surge voltage	2.5 kV
Rated current	16 A (When plugged in) 5 A (Unplugged and during plugging)

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	>= 500
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### Material specifications

Flammability rating according to UL 94	V0
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Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC

## Environmental and real-life conditions

### Ambient conditions

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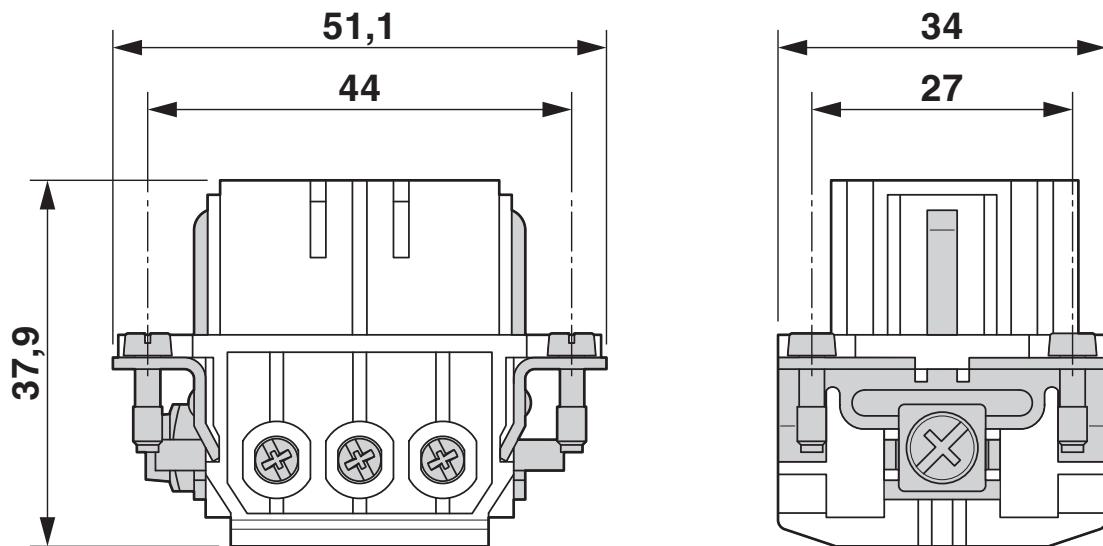


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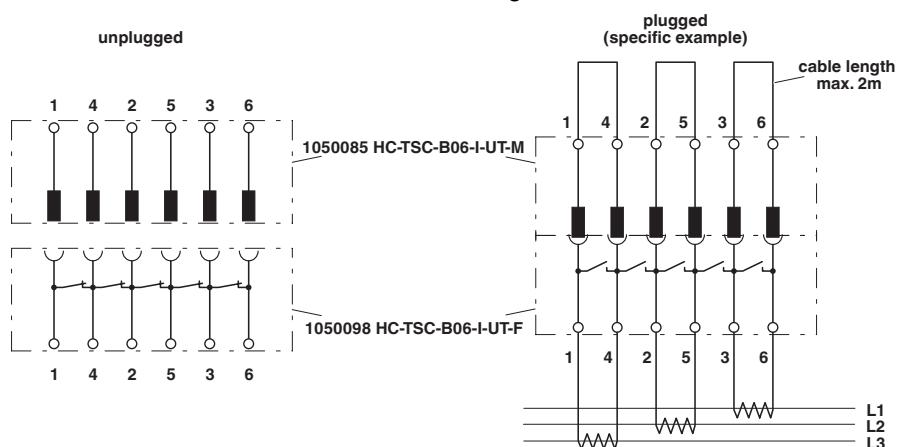
## Drawings

Dimensional drawing



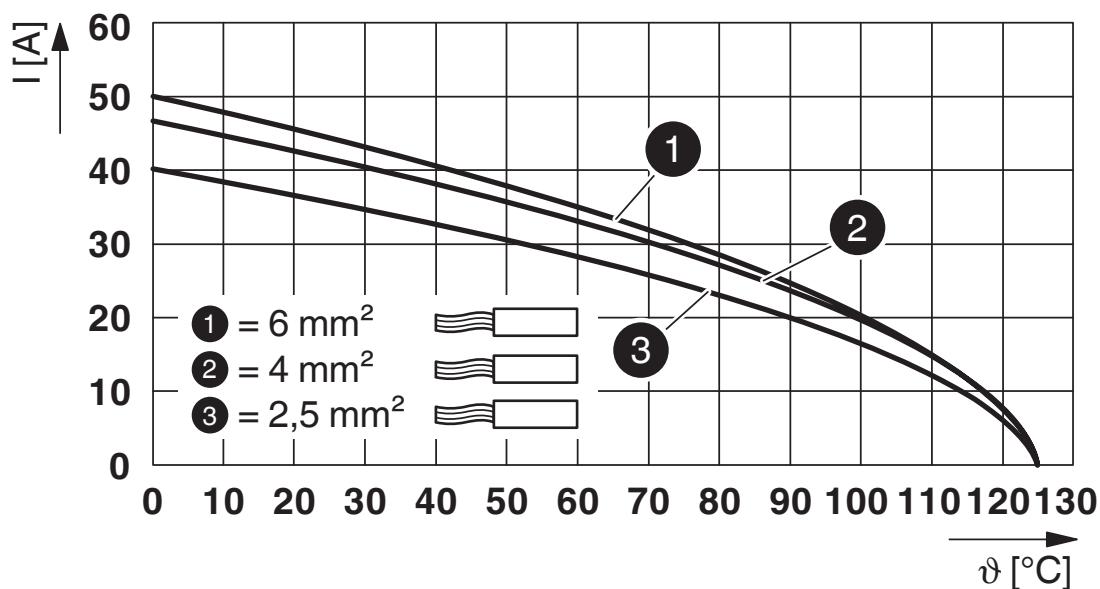
Female insert

Schematic diagram



Circuit diagram

Diagram



Derating diagram (mated)

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## Classifications

### ECLASS

ECLASS-15.0	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

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	1fe89c56-cf8b-481f-8330-be25f1f8ba43

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