

# HC-Q02-I-CT-M - Contact insert



1419893

<https://www.phoenixcontact.com/in/products/1419893>

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Contact insert, number of positions: 2+PE, size: D7, number of connections per position: 1, Pin, Crimp connection, 400 V, 40 A, 1.5 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Power

## Commercial Data

Item number	1419893
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF7
Product Key	BF7ABJ
Catalog Page	Page 511 (C-2-2019)
GTIN	4055626256139
Weight per Piece (including packing)	14.3 g
Weight per Piece (excluding packing)	14.1 g
Customs tariff number	85389099
Country of origin	CN

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## Technical Data

### Notes

General	For HC-D7 housing, crimp contacts CK 4.0. Crimp contacts not included in scope of supply.
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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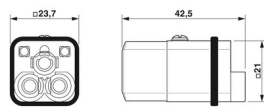
### Product properties

Type	D7
Product type	Contact insert with a fixed no. of positions
Number of positions	2
Connection profile	2+PE
Contact numbering	1 - 2
Application	Power
Number of connections per position	1
Contact type	turned
Series	HC-HS

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

Dimensional drawing	
Width	21 mm
Height	40 mm
Length	21 mm

### Mechanical characteristics

Contact diameter	4 mm
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### Connection data

#### Connection technology

Connection technology	Crimp connection Crimp connection (PE contact)
Number of connections per position	1

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Connection in acc. with standard	IEC / EN
Conductor connection	
Conductor cross section	1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Connection cross section AWG	16 ... 10
Tightening torque	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)
Stripping length of the individual wire	9 mm (1.5 ... 6.0 mm <sup>2</sup> )
	11 mm (for 10 mm <sup>2</sup> )

## Electrical properties

Rated voltage (III/3)	400 V
Rated surge voltage	6 kV
Rated current	40 A

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 500
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## Material specifications

Color	light grey
Flammability rating according to UL 94	V0
Seal material	NBR, conductive
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

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 125 °C (including heating up of contacts)

## Standards and regulations

Constructional and testing regulations	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352
Tests	DIN VDE 0627/86
	DIN VDE 0110/02.79
	DIN VDE 0110-1/04.97
	IEC 60664-1, DIN IEC 60512
	IEC 60352

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## 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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