

# HC-Q04-I-CT-F - Contact insert



1419899

<https://www.phoenixcontact.com/us/products/1419899>

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Contact insert, number of positions: 4, size: D7, number of connections per position: 1, Socket, Crimp connection, 830 V, 40 A, 1.5 mm<sup>2</sup> ... 6 mm<sup>2</sup>, application: Power, Only suitable for plastic housings

## Commercial data

Item number	1419899
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	BF7ABJ
Catalog page	Page 511 (C-2-2019)
GTIN	4055626256184
Weight per piece (including packing)	10.2 g
Weight per piece (excluding packing)	10.2 g
Customs tariff number	85389099
Country of origin	CN

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## Technical data

### Notes

General	for HC-STA-D07 housing, CK 4,0 crimp contacts
General	Connectors may be operated only when there is no load/voltage.
General	Order crimp contacts separately

### Mounting

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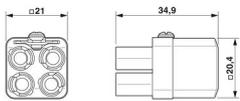
### Product properties

Type	D7
Product type	Contact insert with a fixed no. of positions
Number of positions	4
Connection profile	4
Contact numbering	1 - 4
Application	Power
Number of connections per position	1
Contact material type	turned
Series	HC-HS

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

Dimensional drawing	
Width	21 mm
Height	34.8 mm
Length	21 mm

### Mechanical characteristics

Contact diameter	4 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

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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	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)	830 V
Rated surge voltage	8 kV
Rated current	40 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

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

### 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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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1419899>

 <b>UL Recognized</b> Approval ID: E118976	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	600 V	50 A	- 8	-

 <b>EAC</b> Approval ID: RU C-DE.AI30.B.01102
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 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00511
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 <b>UL Recognized</b> Approval ID: E468743	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	600 V	45 A	-	-

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## Classifications

### ECLASS

ECLASS-11.0	27440205
ECLASS-12.0	27440205
ECLASS-13.0	27440205

### ETIM

ETIM 8.0	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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