

# HC-DD72-I-CT-M - Contact insert



1584075

<https://www.phoenixcontact.com/in/products/1584075>

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HEAVYCON male insert, DD72 series, 72-pos., crimp connection



## Your advantages

- Can be used in rail vehicles, satisfy DIN EN 45545-2 with requirement sets R22, R23, and R24 in hazard levels HL1, HL2, and HL3.

## Commercial Data

Item number	1584075
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF7
Product Key	BF7ABF
Catalog Page	Page 539 (C-2-2019)
GTIN	4046356133388
Weight per Piece (including packing)	54.3 g
Weight per Piece (excluding packing)	54.2 g
Customs tariff number	85389099
Country of origin	CN

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## Technical Data

### Notes

General	For HEAVYCON ADVANCE and HEAVYCON housing of type B16, crimp contacts: CK 1,6-ED... (not included in scope of supply)
General	Connectors may be operated only when there is no load/voltage.
General	It is imperative that guide pins (HC-CST) and sockets (HC-CBU) are used to prevent tip collision due to misalignment.

### Mounting

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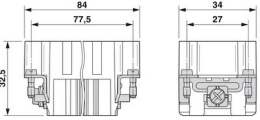
### Product properties

Type	B16 B32
Product type	Contact insert with a fixed no. of positions
Number of positions	72
Connection profile	72+PE
Contact numbering	1 - 72
Application	Signal
Number of connections per position	1
Contact type	turned rolled
Series	HC-DD

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

Dimensional drawing	
Width	34 mm
Height	32.5 mm
Length	84 mm
Drill hole distance, horizontal	77.5 mm
Drill hole distance, vertical	27 mm

### Mechanical characteristics

Minimum housing height	72 mm
Contact diameter	1.6 mm

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## Electrical properties

Rated voltage (III/3)	250 V
Rated surge voltage	4 kV
Rated current	10 A
SCCR	5 kA (UL 2237)

## 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 (alternatively Au)
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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