1584091

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Contact insert, number of positions: 72+PE, size: B16, number of connections per position: 1, Socket, Crimp connection, 250 V, 10 A, 0.14 $\rm mm^2 \dots 2.5 \ mm^2$, application: Signal

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	1584091
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	BF7ABF
Catalog page	Page 539 (C-2-2019)
GTIN	4046356133401
Weight per piece (including packing)	61.3 g
Weight per piece (excluding packing)	60.4 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

Product properties

Product type	Contact insert with a fixed no. of positions
Series	HC-DD
Application	Signal
Туре	B16
	B32
Number of positions	72
Connection profile	72+PE
Contact numbering	1 - 72
Number of connections per position	1
Contact material type	turned
	rolled
Insulation characteristics	
Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	90 90 90 90 90 90 90 90 90 90 90 90 90 9
Width	34 mm
Height	34.5 mm
Length	84 mm
Drill hole distance, horizontal	77.5 mm
Drill hole distance, vertical	27 mm
Mechanical characteristics	
Minimum housing height	72 mm

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Contact diameter 1.8 mm Connection technology Crimp connection Connection technology Crimp connection Connection technology Crimp connection Connection technology Crimp connection Conductor connection 1.6 CreM Conductor consestedion AWG 2614 Conductor consestedion AWG 2614 Conductor consestedion AWG 2614 Tightening torque 0.5 Mm0.8 Mm.(Mounting screws for mounting in the HEAVYCON housing) Stripping length of the individual wire 8 mm (0.14 mm ² 15 mm ²) Electrical properties 8 mm (0.14 mm ² 15 mm ²) Rated voltage (III/3) 250 V Rated surge voltage 4 kV Rated voltage (III/3) 250 V Rated surge voltage 4 kV Rated surge voltage 5 kA (UL 2237) Mechanical data 10 A Insertion/Withdrawal cycles 2 500 Metanical properties 2 for context material Contact material AQ (alternatively Au) Contact material AQ (alternatively Au) Contact materia		
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Mechanical data ≥ 500 Insertion/withdrawal cycles Store Immability rating according to UL 94 V0 Contact material Copper alloy Contact surface material Ag (alternatively Au) Contact carrier material PC 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) Ambient conditions Ambient conditions Ambient conditions Constructional and testing regulations DIN VDE 0627/86 DIN VDE 0627/86 DIN VDE 0110-1/02.79 DIN VDE 0110-1/04.97	SCCR	5 kA (UL 2237)
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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 conditions -40 °C 125 °C (including heating up of contacts) Standards and regulations DIN VDE 0627/86 Constructional and testing regulations DIN VDE 0110/02.79 DIN VDE 0110-1/04.97 DIN VDE 0110-1/04.97	Contact material	Copper alloy
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 conditions Standards and regulations Constructional and testing regulations DIN VDE 0627/86 DIN VDE 0110/02.79 DIN VDE 0110-1/04.97	Contact surface material	Ag (alternatively Au)
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Ambient temperature (operation) -40 °C 125 °C (including heating up of contacts) Standards and regulations DIN VDE 0627/86 Constructional and testing regulations DIN VDE 0110/02.79 DIN VDE 0110-1/04.97 DIN VDE 0110-1/04.97	Environmental and real-life conditions	
Standards and regulations Constructional and testing regulations DIN VDE 0627/86 DIN VDE 0110/02.79 DIN VDE 0110-1/04.97	Ambient conditions	
Constructional and testing regulations DIN VDE 0627/86 DIN VDE 0110/02.79 DIN VDE 0110-1/04.97	Ambient temperature (operation)	-40 °C 125 °C (including heating up of contacts)
DIN VDE 0110/02.79 DIN VDE 0110-1/04.97	Standards and regulations	
DIN VDE 0110-1/04.97	Constructional and testing regulations	DIN VDE 0627/86
		DIN VDE 0110/02.79
IEC 60664-1, DIN IEC 60512		DIN VDE 0110-1/04.97
		IEC 60664-1, DIN IEC 60512

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	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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