

HC-B 10-ESTQ-2,5 - Contact insert

1605624

<https://www.phoenixcontact.com/us/products/1605624>



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Contact insert, number of positions: 10+PE, size: B10, number of connections per position: 1, Pin, QUICKON connection, 500 V, 16 A, 0.34 mm² ... 2.5 mm²

Product description

Contact insert
With QUICKON connection technology, the wires are connected with just a turn of the screwdriver. The wires do not have to be stripped first. This reduces connection time by at least 60%.

Commercial data

Item number	1605624
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BF61
Product key	BF7ABC
Catalog page	Page 543 (C-2-2019)
GTIN	4017918940713
Weight per piece (including packing)	69.63 g
Weight per piece (excluding packing)	69.63 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Notes

General	Connectors may be operated only when there is no load/voltage.
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Mounting

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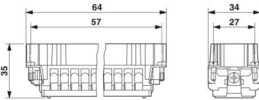
Product properties

Type	B10
Product type	Contact insert with a fixed no. of positions
Number of positions	10
Connection profile	10+PE
Contact numbering	1 - 10
Number of connections per position	1
Contact material type	rolled
Series	HC-B

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	34 mm
Height	35 mm
Length	64 mm
Drill hole distance, horizontal	57 mm
Drill hole distance, vertical	27 mm

Mechanical characteristics

Contact diameter	2.5 mm
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Connection data

Connection technology

Connection technology	QUICKON connection
Number of connections per position	1

Conductor connection

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Conductor cross section	0.34 mm² ... 2.5 mm² (Litz wire structure VDE 0295, Class 1 - 5/litz wire diameter \geq 0.2 mm)
Connection cross section AWG	22 ... 14
Tightening torque	0.8 Nm ... 1.2 Nm (PE connection)
	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)

Electrical properties

Rated voltage (III/3)	500 V
	500 V
Rated surge voltage	6 kV
	6 kV
Rated current	16 A
	16 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	\geq 500
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Material specifications

Material Wire insulation	PVC / PE
Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PA
Standards/regulations	PA: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)
	PA: Fire protection in rail vehicles - requirement set 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)
Ambient temperature (assembly)	-25 °C ... 50 °C

Standards and regulations

Testing

Standards/regulations	PA: Fire protection in rail vehicles - requirement sets R22 and R23 acc. to DIN EN 45545-2 (Risk level HL1 - HL2)
	PA: Fire protection in rail vehicles - requirement set R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com