Connector - ES-BBC-5-1 BK

1155597

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Connectors for energy storage, Range of articles: BBC, Connector, type: Connector, housing material: PA 6.6, color: black, number of positions: 1, rated voltage: 1500 V DC, rated current: 40 A, Connection method: Spring-cage connection

Your advantages

- Quick installation: direct contacting of battery modules on the busbar in the rack
- Safe installation: touch-protected battery terminals even when not plugged in
- Diverse areas of application: modular design allows different currents
- Slide-in system with integrated interface: no wiring effort during installation

Commercial Data

Item number	1155597
Packing unit	12 pc
Minimum order quantity	12 pc
Product Key	ABLDAD
GTIN	4063151157500
Weight per Piece (including packing)	55.55 g
Weight per Piece (excluding packing)	22.22 g
Customs tariff number	85366990
Country of origin	DE

Technical Data

Notes

Safety note

Safety note	• WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.
	• WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.
	WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.
	• Assembled products may not be manipulated or improperly opened.
	• Observe the corresponding technical data. You will find information: o On the product o On the packing label o In the supplied documentation o Online at phoenixcontact.com/products under the product
	• The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.
	• Operate the connector only when it is fully plugged in.
	• The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).

Product properties

Type	Connector
Product type	Connectors for energy storage
Number of positions	1
Number of slots	1.00

Insulation characteristics

Degree of pollution	3

Electrical properties

Rated voltage (III/3)	1500 V
Nominal voltage ATD	1500 V DC
Rated surge voltage	12 kV
Rated surge voltage (III/3)	12 kV
Rated current	40 A

Insulation resistance	≥ 5 MΩ

Dimensions

Width	41 mm
Height	18.9 mm
Length	118 mm

Material specifications

Color	black
Color of the housing part	black
Material	Polyamide (Housing)
	CopperTin (Contact)
Flammability rating according to UL 94	V0
Insulating material group	I
Contact material	Cu
Contact surface material	Ni/Sn
Contact carrier material	PA 6.6
Housing material	PA 6.6

Connector

Insertion/withdrawal cycles	≥ 25

Cable / line

Halogen-free	yes

Mechanical properties

Mechanical data

Insertion force	≤ 30 N

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20 (Not plugged in)
Ambient temperature (operation)	-10 °C ... 50 °C
Altitude	≤ 2000 mm

Classifications

ECLASS

ECLASS-11.0	27440390

ETIM

ETIM 8.0	EC001121

UNSPSC

UNSPSC 21.0	39121400

Accessories

Panel mounting frames

Panel mounting frames - ES-BBC-MF1 - 1155603

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Connectors for energy storage, Range of articles: BBC, Panel mounting frames, type: Panel mounting frame, housing material: PA-GF, color: black

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