ES-BBC-5-4 BK - Connector

1155600

https://www.phoenixcontact.com/us/products/1155600

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The figure shows a 3-position version

Connector, Range of articles: BBC, design: Connector, color: black, number of positions: 1, rated voltage: 1500 V DC, rated current: 160 A, Connection method: Spring 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	1155600
Packing unit	4 pc
Minimum order quantity	4 pc
Sales key	AB04
Product key	ABLDAD
GTIN	4063151156855
Weight per piece (including packing)	190 g
Weight per piece (excluding packing)	148.737 g
Customs tariff number	85359000
Country of origin	CN

Technical data

Product properties

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

Insulation characteristics

Degree of pollution	3

Electrical properties

Rated voltage (III/3)	1500 V
Rated voltage	1500 V DC
Rated surge voltage	12 kV
Rated surge voltage (III/3)	12 kV
Rated current	160 A
Insulation resistance	≥ 5 MΩ

Dimensions

Width	41 mm
Height	56.4 mm
Length	118 mm

Material specifications

Color	black
Color of the housing part	black
Material Housing	PA 6.6
Material Contact	Copper
Flammability rating according to UL 94	V0
Insulating material group	I
Contact surface material	Ni/Sn

Cable/line

Halogen-free	yes

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 25
Insertion force	≤ 120 N

Environmental and real-life conditions

Ambient conditions

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

Mounting

Assembly note	Use busbars that are 4 mm thick with rounded edges in accordance with DIN EN 13601. The busbars must be coated (tin-plated, thickness: 8 µm ... 30 µm).

Classifications

ECLASS

ECLASS-15.0	27440312
ECLASS-13.0	27440312

ETIM

ETIM 10.0	EC002641

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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