

Connector - ES-BPC-C 16-25 BK - 1106307

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High-voltage connector for new energy storage system, plug, rated voltage: 1500 V DC(TUV)/1000 V DC(UL4128), rated current: 120 A; color: black (negative pole); surface coating: silver; wiring method: crimping

Your advantages

- ✓ Patented design with "three proofs and one rotation"
- ✓ Mismatching and short circuit proof
- ✓ Touch proof
- ✓ Foolproof mechanism installed
- ✓ Safety lock
- ✓ 360 degree free rotation and flexible wiring



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4055626000916
Weight per Piece (excluding packing)	35.780 g
Custom tariff number	85359000
Country of origin	China
Sales Key	ABLDBA

Technical data

Ambient conditions

Ambient temperature (operation)	-40 °C ... 115 °C
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General

Insertion force	≤ 75 N
Disconnect force	≥ 10 N
Pull-out force of cable >= disconnect force	≥ 10 N
Insertion/withdrawal cycles	100

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Technical data

General

Degree of pollution	2
Voltage	1500 V
Current	120 A
Rated voltage	1500 V DC

Material

Color	black
Insulating material	PA
Contact material	Cu/Cu alloy
Contact surface material	Ni/Ag , Ni/Sn
Flammability rating according to UL 94	V0

Connection data

Connection method	Crimp
Contact resistance with connected conductor	≤ 5 mΩ
Stripping length	22 mm

Standards and Regulations

Halogen-free	yes
Flammability rating according to UL 94	V0
Safety note	<ul style="list-style-type: none"> • 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.
	<ul style="list-style-type: none"> • 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.
	<p>WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.</p>
	<ul style="list-style-type: none"> • The products are suitable for applications in plant, controller, and electrical device engineering.
	<ul style="list-style-type: none"> • Assembled products may not be manipulated or improperly opened.
	<ul style="list-style-type: none"> • Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products).
	<ul style="list-style-type: none"> • When using the product in direct connection with third-party manufacturers, the user is responsible.
	<ul style="list-style-type: none"> • For operating voltages > 50 V AC, conductive connector housings must be grounded
	<ul style="list-style-type: none"> • Ensure that the protective or functional ground has been properly connected.
	<ul style="list-style-type: none"> • Observe the corresponding technical data. You will find information: <ul style="list-style-type: none"> o On the product o On the packing label o In the supplied documentation

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Technical data

Standards and Regulations

	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.
	• Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at phoenixcontact.com/products
	• 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).
	• Operate the connector only when it is fully plugged in and interlocked.
	• Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.
	• Observe the minimum bending radius of the cable. Lay the cable without twisting it.

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Classifications

eCl@ss

eCl@ss 9.0	27062002
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