Connector - ES-BPC-C 35 OG

1176276

https://www.phoenixcontact.com/pc/products/1176276

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.



High-voltage connector for new energy storage system, plug, rated voltage: 1500 V DC, rated current: 160 A（TUV）/150A（UL4128）; color: orange (positive pole), contact surface: silver / tin; wiring method: crimping

Your advantages

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

Commercial Data

Item number	1176276
Packing unit	15 pc
Minimum order quantity	1 pc
Product Key	ABLDBA
GTIN	4063151207625
Weight per Piece (including packing)	90.326 g
Weight per Piece (excluding packing)	90.326 g
Customs tariff number	85359000
Country of origin	CN

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.
	• The products are suitable for applications in plant, controller, and electrical device engineering.
	• Assembled products may not be manipulated or improperly opened.
	• 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).
	• When using the product in direct connection with third-party manufacturers, the user is responsible.
	• For operating voltages > 50 V AC, conductive connector housings must be grounded
	• Ensure that the protective or functional ground has been properly connected.
	• 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.
	• 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.

Product properties

Product type	Connectors for energy storage

Insulation characteristics

Degree of pollution	2

Electrical properties

Rated voltage (III/2)	1500 V DC
Rated current	160 A (TUV)
	150 A
	150 A (UL 4128)
Contact resistance	≤ 0.5 mΩ
Nominal voltage U_N	1500 V

Material specifications

Color	orange
Flammability rating according to UL 94	V0
Seal material	Silicon
Insulating material	PA
Contact material	Cu/Cu alloy

Connector

Insertion/withdrawal cycles	100

Cable / line

Halogen-free	yes

Mechanical properties

Mechanical data

Insertion force	≤ 75 N
Withdrawal force	≥ 10 N

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65/IP67 (Mating socket)
Degree of protection	IP65
Ambient temperature (operation)	-40 °C ... 125 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	4000 m

Mounting

Assembly instructions	We recommend to use the crimping dies and other crimping

	devices of Jiangsu Bozhiwang Automation Equipment Co.,Ltd. for cable crimp connection; Address: No. 39 Kun Lun Road, Xin Bei District, Changzhou, Jiangsu Province, China, Email: flacz2020@163.com, die model: BZW-6F

Classifications

ECLASS

ECLASS-11.0	27440390

ETIM

ETIM 8.0	EC001121

UNSPSC

UNSPSC 21.0	39121400

Environmental Product Compliance

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

Phoenix Contact 2022 © - all rights reserved
https://www.phoenixcontact.com

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com