

Connector - ES-FT-BPC-S 16-25 BK - 1106304

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High-voltage connector for new energy storage system, socket, rated voltage: 1500 V DC(TUV)/1000 V DC(UL4128), rated current: 120 A; color: black (negative pole); wiring method: threaded stud

Your advantages

- Mismatching and short circuit proof
- Touch proof
- Foolproof mechanism installed
- 360 degree free rotation and flexible wiring
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Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 990798
GTIN	4055626990798
Weight per Piece (excluding packing)	29.000 g
Custom tariff number	85359000
Country of origin	China

Technical data

Ambient conditions

Ambient temperature (operation)	-40 °C ... 115 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

General

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Technical data

General

Nominal voltage U_N	1500 V DC (TUV)
Connection method	Screw/Solder connection
Degree of protection	IP65
Insulating material	PA
Contact surface material	Ni/Ag
Contact material	Cu/Cu alloy
Seal material	Silicon
Contact resistance	$\leq 5 \text{ m}\Omega$
Insertion/withdrawal cycles	100
Insertion force	$\leq 75 \text{ N}$
Withdrawal force	$\geq 10 \text{ N}$
Current	120 A

Behavior in fire

Halogen-free	yes
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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. • 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 $> 50 \text{ V AC}$, 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:

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Standards and Regulations

	<ul style="list-style-type: none"> o On the product o On the packing label o In the supplied documentation o Online at phoenixcontact.com/products under the product
	<ul style="list-style-type: none"> • The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.
	<ul style="list-style-type: none"> • 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
	<ul style="list-style-type: none"> • 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).
	<ul style="list-style-type: none"> • Operate the connector only when it is fully plugged in and interlocked.
	<ul style="list-style-type: none"> • Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.
	<ul style="list-style-type: none"> • 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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Accessories

Accessories

Dust protection cover - ES-FT-BPC PROTECTION CAP - 1130817



Dust protection cap for energy storage connector , color: black RAL9005, ambient temperature for storage and transportation: -40°C ~70°C, operating temperature: -20°C ~105°C, halogen-free, engineering plastics: UL94 HB, protection class: IP65 (with socket)