

## Connector - ES-FT-BPC-B 16-25 OG - 1130816

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



High-voltage connector for new energy storage system, rated voltage: 1500 V, rated current: 120 A; wiring method: crimping; surface coating: silver; negative pole: black; with one set of plug and socket each;



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 063151 058869
GTIN	4063151058869
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

Nominal voltage $U_N$	1500 V (TUV)
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

# Connector - ES-FT-BPC-B 16-25 OG - 1130816

## Technical data

### General

Insertion force	≤ 75 N
Withdrawal force	≥ 10 N
Current	120 A

### Behavior in fire

Halogen-free	yes
--------------	-----

### Standards and Regulations

Halogen-free	yes
Flammability rating according to UL 94	V0
Safety note	<ul style="list-style-type: none"> <li>• <b>WARNING:</b> Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.</li> <li>• <b>WARNING:</b> 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.</li> <li>• <b>WARNING:</b> The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.</li> <li>• The products are suitable for applications in plant, controller, and electrical device engineering.</li> <li>• Assembled products may not be manipulated or improperly opened.</li> <li>• 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 <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a>).</li> <li>• When using the product in direct connection with third-party manufacturers, the user is responsible.</li> <li>• For operating voltages &gt; 50 V AC, conductive connector housings must be grounded</li> <li>• Ensure that the protective or functional ground has been properly connected.</li> <li>• Observe the corresponding technical data. You will find information:             <ul style="list-style-type: none"> <li>o On the product</li> <li>o On the packing label</li> <li>o In the supplied documentation</li> <li>o Online at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a> under the product</li> </ul> </li> <li>• The installation notes/Design In documents online on the download page at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a> must be observed for this product.</li> <li>• 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 <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a></li> <li>• The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In</li> </ul>

# Connector - ES-FT-BPC-B 16-25 OG - 1130816

## Technical data

### Standards and Regulations

	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
------------	----------

## 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)