1228824

https://www.phoenixcontact.com/pc/products/1228824



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Connectors for energy storage, Range of articles: BPC, Connector, color: orange, number of positions: 1, min. conductor cross section: 16 mm², max. conductor cross section: 25 mm², rated voltage: 1500, rated current: 120 A, Connection method: Crimp, Type of contact: Pin

Your advantages

- · Mismatching and short circuit proof
- Touch-proof
- · Foolproof mechanism installed
- · Safety lock
- 360° free rotation and flexible wiring
- Patented design, with 3 proofs and one rotation

Commercial Data

Item number	1228824
Packing unit	20 pc
Minimum order quantity	1 pc
Product Key	ABLDBA
GTIN	4063151324834
Weight per Piece (including packing)	36.64 g
Weight per Piece (excluding packing)	36.64 g
Customs tariff number	85359000
Country of origin	CN

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Technical Data

Notes

Safety note	WARNING: Commission properly functioning products onl
	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 insta
	operate the product. They must observe the following safet notes. The qualified personnel must be familiar with the bas
	electrical engineering. They must be able to recognize and
	prevent danger. The relevant symbol on the packaging indi
	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
	may damage persons and/or property.
	The products are suitable for applications in plant, control
	and electrical device engineering.
	 Assembled products may not be manipulated or improperly
	opened.
	 Only use mating connectors that are specified in the techn data of the standards listed (e.g. the ones listed in the prod
	accessories online at phoenixcontact.com/products).
	When using the product in direct connection with third-part
	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
	The suitable accessories are available online in the access
	section of the product at phoenixcontact.com/products
	The connector warms up in normal operation. Depending
	ambient conditions, the surface of the connector can contin warm up. In this case, the user is responsible for posting
	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.

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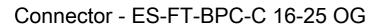
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Ambient temperature (operation)

	Observe the minimum bending radius of the cable. Lay the cable without twisting it.
Product properties	
Product type	Connectors for energy storage
Number of positions	1
Insulation characteristics	
Degree of pollution	2
Electrical properties	
Rated voltage (III/2)	1500 V DC
Nominal voltage ATD Rated current	1500 120 A
Raled current	120 A
	120 A
Contact resistance	≤ 5 mΩ
Nominal voltage U _N	1500 V (TUV)
Normal Voltage on	
Material specifications	
Color	orange
Material	Polyamide (Housing)
	CopperSilver (Contact)
	Silicon (Seal)
Flammability rating according to UL 94	VO
Connector	
Insertion/withdrawal cycles	> 100
Cable / line	
Single wire, cross section	16 mm² 25 mm²
Stripping length of the individual wire	18 mm ±1 mm
Tightening torque, union nut	3.00 Nm
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
Degree of protection	IP65

-40 °C ... 115 °C

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Ambient temperature (storage/transport)

-40 °C ... 70 °C

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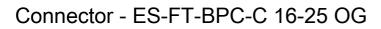
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Classifications

ECLASS

	ECLASS-11.0	27440290		
ETIM				
	ETIM 8.0	EC002943		
UNSPSC				
	UNSPSC 21.0	39121400		



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Environmental Product Compliance

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

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