ES-FT-BPC-S 35-70 OG - Connector

1228821

https://www.phoenixcontact.com/us/products/1228821

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Connector, Range of articles: BPC, color: orange, number of positions: 1, min. conductor cross-section: 35 mm^2, max. conductor cross-section: 70 mm^2, rated voltage: 1500, rated current: 250 A, Connection method: Screw/Solder connection

Your advantages

- Patented design, with 3 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	1228821
Packing unit	15 pc
Minimum order quantity	1 pc
Sales key	AB04
Product key	ABLDBA
GTIN	4063151324926
Weight per piece (including packing)	52.406 g
Weight per piece (excluding packing)	40 g
Customs tariff number	85359000
Country of origin	CN

Technical data

Product properties

Product type	Connectors for energy storage
Product family	BPC
Number of positions	1

Insulation characteristics

Degree of pollution	2

Electrical properties

Rated voltage (III/2)	1500 V DC
Rated voltage	1500 (III/2)
	1000 (III/2) AC
Rated current	250 A (with 70 mm² conductor cross-section, in accordance with IEC 61984)
	200 A (with 50 mm² conductor cross-section, in accordance with IEC 61984)
	250 A (with AWG 2/0, in accordance with UL 4128)
Contact resistance	≤ 0.5 mΩ
Nominal voltage U_N	1500 V

Connection data

Tightening torque	0.6 ... 0.6 Nm

Material specifications

Color	orange
Material	Polyamide (Housing)
	Copper (Contact)
	Silicon (Seal)
Flammability rating according to UL 94	V0
Seal material	Silicon
Insulating material	PA
Contact material	Cu
Contact surface material	Ni/Ag

Cable/line

Cable structure	Tinned, stranded, IEC 60228 Class 5/6 compliant
Single wire, cross section	35 mm² 70 mm²

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	100
Insertion force	≤ 75 N

Withdrawal force	≥ 10 N

Environmental and real-life conditions

Ambient conditions

Degree of protection (when plugged in)	IP65 (With clearance hole)
	IP65 (With clearance hole)
Degree of protection (not plugged in)	IP20
Degree of protection	IP65/IP67
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	4000 m

Standards and regulations

Standard designation	TÜV (PPP51090A)
Standards/specifications	IEC 61984:2008
	EN 61984:2008
	UL 4128
	PPP 51090A

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1228821

TÜV SÜD Type tested
Approval ID: 704071905102-03

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	1500 V	250 A	-	50 - 70

UL Recognized
Approval ID: E511681-20200609

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	1500 V	250 A	1/0 - 2/0	-

Classifications

ECLASS

ECLASS-13.0	27440209
ECLASS-15.0	27440209

ETIM

ETIM 10.0	EC002641

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com