ES-BPC-C 35 BK - Connector

1176270

https://www.phoenixcontact.com/us/products/1176270

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.



Connector, Range of articles: BPC, color: black, number of positions: 1, min. conductor cross-section: 35 mm^2, max. conductor cross-section: 35 mm^2, rated voltage: 1500, rated current: 160 A, Connection method: Crimp, min. cable diameter: 9.7 mm, max. cable diameter: 12.3 mm

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	1176270
Packing unit	15 pc
Minimum order quantity	15 pc
Sales key	AB04
Product key	ABLDBA
GTIN	4063151207557
Weight per piece (including packing)	90.027 g
Weight per piece (excluding packing)	89.2 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	160 A (with 35 mm² conductor cross-section, in accordance with IEC 61984)
	150 A (With AWG 2, in accordance with UL 4128)
Nominal voltage U_N	1500 V

Connection data

Tightening torque	2 ... 2.5 Nm

Material specifications

Color	black
Material	Polyamide (Housing)
	Copper (Contact)
	Silicon (Seal)
Flammability rating according to UL 94	V0
Seal material	Silicon
Contact material	Cu

Cable/line

Cable structure	Tinned, stranded, IEC 60228 Class 5/6 compliant
External cable diameter	9.7 mm ... 12.3 mm
Single wire, cross section	35 mm² 35 mm²

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	100
Insertion force	≤ 75 N

Environmental and real-life conditions

Ambient conditions

Degree of protection (when plugged in)	IP65 (Mating socket)

	IP65 (Mating socket)
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

Mounting

Assembly note	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: bwgm2@wire-processor.com, die model: BZW-6F

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1176270

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	160 A	-	- 35

UL Recognized
Approval ID: E511681-20200609

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	1500 V	150 A	- 2	-

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%

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

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