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

1106304

https://www.phoenixcontact.com/us/products/1106304

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Connector, Range of articles: BPC, color: black, number of positions: 1, min. conductor cross-section: 16 mm^2, max. conductor cross-section: 25 mm^2, rated voltage: 1500, rated current: 120 A, Connection method: Screw connection

Your advantages

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

Commercial data

Item number	1106304
Packing unit	15 pc
Minimum order quantity	1 pc
Sales key	AB04
Product key	ABLDBA
GTIN	4055626990798
Weight per piece (including packing)	29.907 g
Weight per piece (excluding packing)	18.872 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) in accordance with IEC 61984
	1000 in accordance with UL 4128
Rated current	120 A (with 25 mm² conductor cross-section, in accordance with IEC 61984)
	76 A (with 16 mm² conductor cross-section, in accordance with IEC 61984)
	120 A (with AWG 4, in accordance with UL 4128)
Contact resistance	≤ 5 mΩ
Nominal voltage U_N	1000 V (in accordance with UL 4128)

Connection data

Tightening torque	0.6 ... 0.6 Nm

Material specifications

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

Cable/line

Cable structure	Tinned, stranded, IEC 60228 Class 6 compliant
Single wire, cross section	16 mm² 25 mm²
Cable pull-out force	≥ 10 N

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	100
Insertion force	≤ 75 N
Withdrawal force	≥ 10 N

Environmental and real-life conditions

Ambient conditions

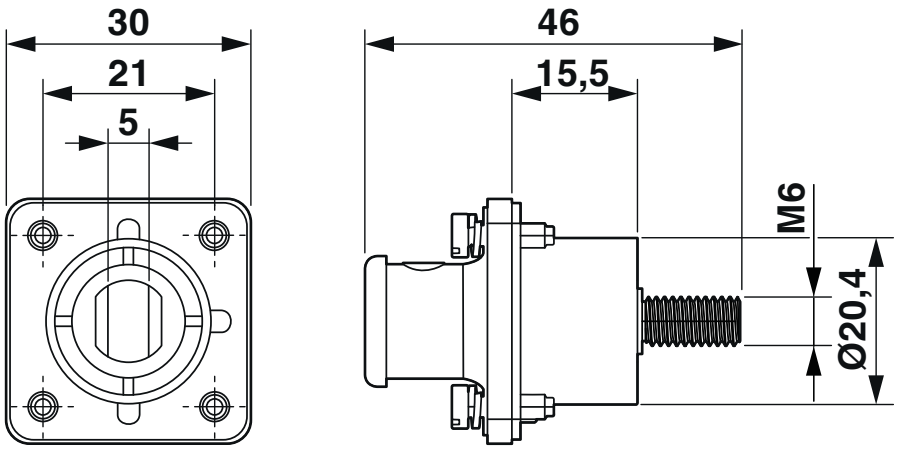
Degree of protection (when plugged in)	IP65 (The panel is feed-through hole)
Degree of protection (not plugged in)	IP20
Degree of protection	IP65
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

Standards and regulations

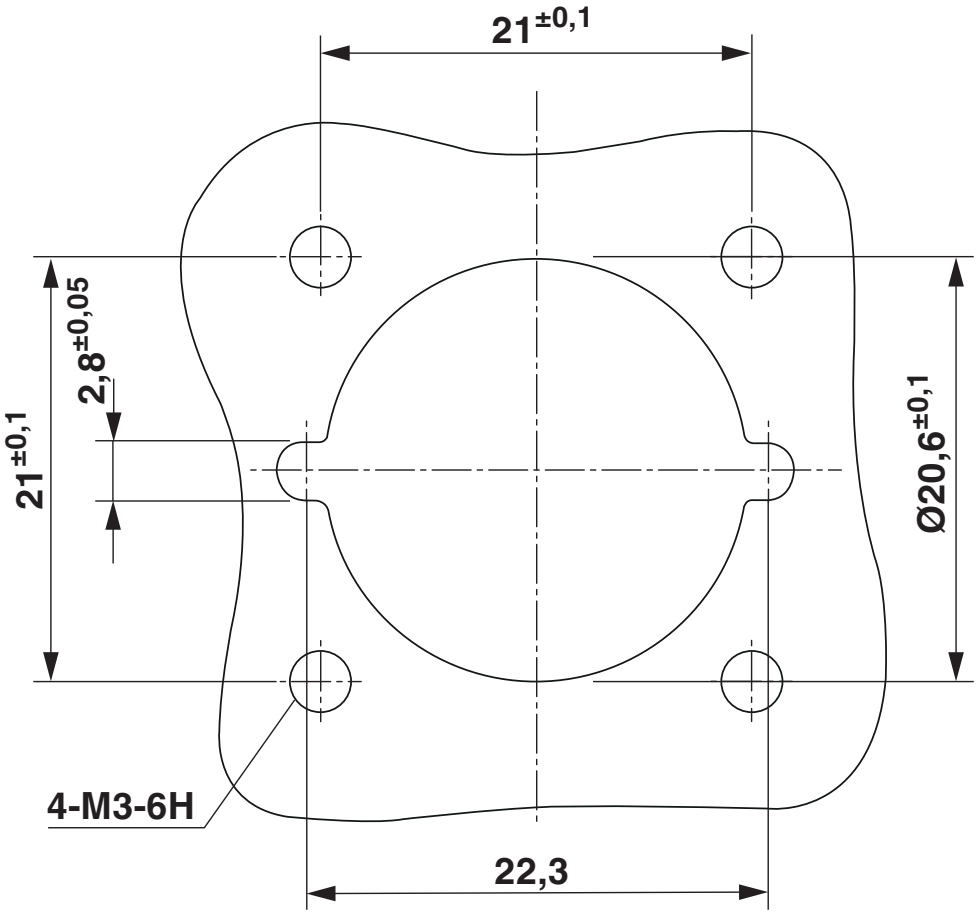
Standard designation	TÜV (PPP51090A)
Standards/specifications	IEC 61984:2008
	EN 61984:2008
	UL 4128
	PPP 51090A

Drawings

Dimensional drawing



Drilling plan/solder pad geometry



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1106304

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	120 A	-	16 - 25

UL Recognized
Approval ID: E511681-20200609

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	1000 V	120 A	- 4	-

Classifications

ECLASS

ECLASS-13.0	27440209
ECLASS-15.0	27440209

ETIM

ETIM 10.0	EC002641

UNSPSC

UNSPSC 21.0	26121600

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