ES-FT-C4F-CO2 - Device connector front mounting

1231072

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CRIMP



Device connector front mounting, Range of articles: BPP, color: blue/black, number of positions: 1, min. conductor cross-section: 2.5 mm^2, max. conductor cross-section: 6 mm^2, rated voltage: 1500 V DC, rated current: 26 A, Connection method: Crimp, max. cable diameter: 5.8 mm

Commercial data

Item number	1231072
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	AB04
Product key	ABLDAB
GTIN	4063151331214
Weight per piece (including packing)	4.526 g
Weight per piece (excluding packing)	3.358 g
Customs tariff number	85359000
Country of origin	IN

Technical data

Product properties

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

Insulation characteristics

Protection class	II
Degree of pollution	2

Electrical properties

Rated voltage (III/2)	1500 V
Rated voltage	1500 V DC in accordance with IEC 62852:2014/AMD1:2020
Rated surge voltage	16 kV
Rated surge voltage (III/3)	16 kV
Rated current (2.5 mm²)	26 A (in accordance with IEC 62852:2014/AMD1:2020)
Rated current (4.0 mm²)	32 A (in accordance with IEC 62852:2014/AMD1:2020)
Rated current (6.0 mm²)	38 A (in accordance with IEC 62852:2014/AMD1:2020)
Rated current (10 mm²)	50 A (in accordance with IEC 62852:2014/AMD1:2020)
Contact resistance	< 0.45 mΩ (depending on the mating connector used)

Connection data

Stripping length	8 mm
Tightening torque	1.8 ... 2.2 Nm

Dimensions

Width	21 mm
Height	21 mm
Length	49.1 mm

Material specifications

Color	blue/black
Color of the housing part	black
Material Seal	EPDM
Material Housing	PPE
Flammability rating according to UL 94	V0
Insulating material group	I
O-ring material	Silopren
Material for screw connection	PA

Cable/line

External cable diameter	5.8 mm
Single wire, cross section	2.5 mm² 6 mm²

Halogen-free	yes

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	100
Insertion force	< 45 N ±10 N

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66/IP68 (2 m / 24 h) (plugged in)
	IP20 (Not plugged in)
	IP66/IP68 (2 m / 24 h)
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (assembly)	-25 °C ... 50 °C

Standards and regulations

Standards/specifications	IEC 62852/UL 6703

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1231072

TÜV Rheinland
Approval ID: R 60178082_0001

UL Recognized
Approval ID: E477377-20250305

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	1500 V	50 A	14 - 10	-

Classifications

ECLASS

ECLASS-13.0	27440107
ECLASS-15.0	27440107

ETIM

ETIM 10.0	EC002635

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.)	Triphenyl phosphate(CAS: 115-86-6)
SCIP	9fe14281-cfc1-4859-aafc-eb73804d0ddb

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