ES-C1M-C-CO2 - Connector

1231073

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CRIMP



Connector, 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, rated current: 26 A, Connection method: Crimp, min. cable diameter: 5 mm, max. cable diameter: 8 mm

Commercial data

Item number	1231073
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	AB04
Product key	ABLDBB
GTIN	4063151330286
Weight per piece (including packing)	14.828 g
Weight per piece (excluding packing)	14.828 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 (II/2)	1500 V
Rated voltage (III/2)	1500 V
Rated voltage	1500 V 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
Contact resistance	< 0.3 mΩ (Crimp to crimp)

Connection data

Stripping length	8 mm

Dimensions

Width	20 mm
Height	27.4 mm
Length	75.3 mm

Material specifications

Color	blue/black
Color of the housing part	black
Material Housing	PPE
Material Contact	Cu
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	mPPE
Cable seal material	EPDM
Contact surface material	Ag

Cable/line

External cable diameter	5 mm ... 8 mm
External cable diameter	5 mm ... 8 mm
Single wire, cross section	2.5 mm² 6 mm²
Cable pull-out force	> 80 N
Halogen-free	yes

Mechanical properties

Outside conductor diameter	5.00 mm 8.00 mm

Mechanical data

Outside conductor diameter	5.00 mm 8.00 mm
Insertion/withdrawal cycles	100
Insertion force	45 N ±10 N
Withdrawal force	250 N ±50 N (when locked)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20 (Not plugged in)
	IP66/IP68 (2 m / 2 h) (plugged in)
Ambient temperature (operation)	-40 °C ... 85 °C (dependent on the derating curve)
Ambient temperature (assembly)	-5 °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/1231073

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	0396fc9a-71c8-4e13-8946-23b59baca090

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