EC 1 12DC/10A S-C - Electronic circuit breaker

3000759

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Electronic circuit breaker, on/off control input, nominal current: 10 A

Commercial data

Item number	3000759
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	CL04
Product key	CLA131
GTIN	4046356708531
Weight per piece (including packing)	71.4 g
Weight per piece (excluding packing)	71.4 g
Customs tariff number	85362010
Country of origin	DE

Technical data

Product properties

Product type	Device circuit breakers
Product family	EC-E
Type	DIN rail module, one-piece
Number of positions	1

Electrical properties

Maximum load current	10 A (100 % Duty Cycle, 40 °C)
	9 A (100 % Duty Cycle, 50 °C)
Service life electrical	10000

General

Fuse	electronic

Connection data

Maximum load current	10 A (100 % Duty Cycle, 40 °C)
	9 A (100 % Duty Cycle, 50 °C)

Line+ / LOAD+ /0V

Connection method	Screw connection
Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm
Stripping length	10 mm
Conductor cross-section rigid	0.5 mm² ... 10 mm²
Conductor cross-section flexible	0.5 mm² ... 10 mm²
2 conductors with same cross section, rigid	0.5 mm² ... 4 mm²
2 conductors with same cross section, flexible	0.5 mm² ... 4 mm²
Nominal current	10 A
Nominal voltage	12 V DC

Signal connections

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 ... 0.6 Nm
Conductor cross-section flexible	0.25 mm² ... 2.5 mm²

Dimensions

Width	12.5 mm
Height	80 mm

Material specifications

Color	black (RAL 9005)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C (ordinary locations)
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Mounting

Mounting type	DIN rail: 35 mm

Classifications

ECLASS

ECLASS-13.0	27140401

ETIM

ETIM 9.0	EC003538

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-25
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	085e7cc8-a83a-4858-ac0a-fb9129d94a0b

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