

EC 1 12DC/2A S-C - Electronic circuit breaker



3000755

<https://www.phoenixcontact.com/us/products/3000755>

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Electronic circuit breaker, on/off control input, nominal current: 2 A

Commercial data

Item number	3000755
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	CL04
Product key	CLA131
GTIN	4046356708470
Weight per piece (including packing)	69.5 g
Weight per piece (excluding packing)	69.5 g
Customs tariff number	85362010
Country of origin	DE

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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	2 A (100% duty cycle, 40°C)
	2 A (100% duty cycle, 50°C)
Service life electrical	10000

General

Fuse	electronic
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Connection data

Maximum load current	2 A (100% duty cycle, 40°C)
	2 A (100% duty cycle, 50°C)

Line+ / LOAD+ /0V

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, solid	0.5 mm² ... 4 mm²
2 conductors with same cross section, flexible	0.5 mm² ... 4 mm²
Nominal current	2 A
Nominal voltage	12 V DC

Signal connections

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)
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Environmental and real-life conditions

Ambient conditions

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

Mounting

Mounting type	DIN rail: 35 mm
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Approvals

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	cUL Recognized Approval ID: E140324
	UL Recognized Approval ID: FILE E 317172
	DNV GL Approval ID: TAE00002HC
	UL Recognized Approval ID: E140324
	UL Listed Approval ID: E140324
	cUL Listed Approval ID: E140324
	UL Recognized Approval ID: FILE E 324415
	cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27141116
ECLASS-12.0	27141116
ECLASS-13.0	27140401

ETIM

ETIM 9.0	EC003538
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	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	8ab8cb44-56d7-4069-abc8-ca5c3a157532

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