

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



3000759

<https://www.phoenixcontact.com/us/products/3000759>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

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



3000759

<https://www.phoenixcontact.com/us/products/3000759>

## 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 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Conductor cross-section flexible	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with same cross section, rigid	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
2 conductors with same cross section, flexible	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
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 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

### Dimensions

Width	12.5 mm
Height	80 mm

### Material specifications

Color	black (RAL 9005)
-------	------------------

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



3000759

<https://www.phoenixcontact.com/us/products/3000759>

## 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
---------------	-----------------

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



3000759

<https://www.phoenixcontact.com/us/products/3000759>

## Classifications

### ECLASS

ECLASS-13.0

27140401

### ETIM

ETIM 9.0

EC003538

### UNSPSC

UNSPSC 21.0

39121400

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



3000759

<https://www.phoenixcontact.com/us/products/3000759>

## 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

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

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