

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



3000761

<https://www.phoenixcontact.com/us/products/3000761>

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, reset input and status output, nominal current: 2 A



Commercial data

Item number	3000761
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CL04
Product key	CLA131
GTIN	4046356708555
Weight per piece (including packing)	71.56 g
Weight per piece (excluding packing)	68.1 g
Customs tariff number	85362010
Country of origin	DE

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



3000761

<https://www.phoenixcontact.com/us/products/3000761>

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
------	------------

Connection data

Maximum load current	2 A (100 % Duty Cycle, 40 °C)
	2 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 ² ... 10 mm ²
Conductor cross-section flexible	0.5 mm ² ... 10 mm ²
2 conductors with same cross section, rigid	0.5 mm ² ... 4 mm ²
2 conductors with same cross section, flexible	0.5 mm ² ... 4 mm ²
Nominal current	2 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 ² ... 2.5 mm ²

Dimensions

Width	12.5 mm
Height	80 mm

Material specifications

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

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



3000761

<https://www.phoenixcontact.com/us/products/3000761>

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/2A S-R - Electronic circuit breaker



3000761

<https://www.phoenixcontact.com/us/products/3000761>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3000761>



UL Recognized

Approval ID: FILE E 317172



DNV GL

Approval ID: TAE00002HC



cULus Recognized

Approval ID: E123528



cULus Listed

Approval ID: E123528



UL Recognized

Approval ID: FILE E 324415

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



3000761

<https://www.phoenixcontact.com/us/products/3000761>

Classifications

ECLASS

ECLASS-13.0	27140401
ECLASS-15.0	27140401

ETIM

ETIM 10.0	EC003538
-----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



3000761

<https://www.phoenixcontact.com/us/products/3000761>

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	7c47888a-d7b8-4786-b5ed-d184abc50e36

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