

INDUSTRIAL COMPONENT DATA

EC-E 1A DC24V 0903042 PHOENIX CONTACT Electronic device circuit breaker

Brand: PHOENIX CONTACT | Manufacturer Part Number: EC-E 1A DC24V



Manufacturer	PHOENIX CONTACT
MPN / Reference	EC-E 1A DC24V
Catalog number	0903042
Category	Device circuit breaker
Minimum order	1 Pcs
Document ID	EO-04E753C28A
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Product Overview

Electronic device circuit breaker

Electronic protection switch, 1 reset input, rated current: 1 A

Electronic circuit breaker, 1 reset input, nominal current: 1 A

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	PHOENIX CONTACT > Over Current Protection
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Additional Product Information

Technical dataNotesGeneral When mounted in rows without convection cooling, the nominal device current should only be led to a maximum of 80% due to the thermal effect during continuous operation (100% operating factor).

Special precautionary measures must be taken in systems or machines, to prevent components from restarting (e.g., use of a safety PLC).

Parallel connection of multiple circuit breakers is not permitted.

Product propertiesProduct type Device circuit breakers

Product family EC-E

Type DIN rail module, one-piece

Number of positions 1

No. of channels 1

Data management status

Article revision 02

Insulation characteristics

Degree of pollution 2

Electrical properties Fuse type Automatic device

Switching capacity ICN Active current limitation

Fuse electronic

General

Operating voltage 24 V DC

18 V DC ... 32 V DC

Nominal current I_N 1 A

Rated surge voltage 0.5 kV

Tripping method E (electronic)

Required backup fuse not required, integrated failsafe element

Dielectric strength max. 32 V DC (Load circuit)

Switch off typ. $1.8 \times I_N$

Active current limitation active

Fuse electronic

Closed-circuit current range I_O typ. 25 mA $\pm$ 5 mA (When switched on)

MTBF (IEC 61709, SN 29500) 7430000 h (at 25 °C with 80 % load)

6590000 h (at 40 °C with 80 % load)

Voltage drop 80 mV (at I_N)

Load circuit

Max. capacitive load 20000 μ F

Switch-on delay typ. 0.5 s

Reset

Input voltage max. 32 V DC

Current consumption typ. 2.6 mA (at 24 V DC)

Pulse length min. 10 ms

Voltage < 3 V DC (Low state)

> 8 V DC...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / EC-E 1A DC24V with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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