

**INDUSTRIAL COMPONENT DATA**

# EC-E 8A DC24V 0903047 PHOENIX CONTACT Electronic device circuit breaker

Brand: PHOENIX CONTACT | Manufacturer Part Number: EC-E 8A DC24V



|                 |                        |
|-----------------|------------------------|
| Manufacturer    | PHOENIX CONTACT        |
| MPN / Reference | EC-E 8A DC24V          |
| Catalog number  | 0903047                |
| Category        | Device circuit breaker |
| Minimum order   | 1 Pcs                  |
| Document ID     | EO-4E6C82FBD2          |
| Generated       | 2026-07-31             |

## Product Overview

Electronic device circuit breaker

Electronic protection switch, 1 reset input, rated current: 8 A

Electronic circuit breaker, 1 reset input, nominal current: 8 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**

## 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  $I_N$  8 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.  $1.5 \times I_N$

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 120 mV (at  $I_N$ )

Load circuit

Max. capacitive load 20000  $\mu$ 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 D...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / EC-E 8A DC24V with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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