

## INDUSTRIAL COMPONENT DATA

# PTCB E1 24DC/0.5A SI-R 1361043 PHOENIX CONTACT

## Protection of single-channel electronic equipment for consume..

Brand: PHOENIX CONTACT | Manufacturer Part Number: PTCB E1 24DC/0.5A SI-R



|                 |                        |
|-----------------|------------------------|
| Manufacturer    | PHOENIX CONTACT        |
| MPN / Reference | PTCB E1 24DC/0.5A SI-R |
| Catalog number  | 1361043                |
| Category        | Device circuit breaker |
| Minimum order   | 1 Pcs                  |
| Document ID     | EO-4089110D63          |
| Generated       | 2026-09-28             |

## Product Overview

Protection of single-channel electronic equipment for consumers of 12-24 V DC. Fixed rated current value: 0.5 A. With remote signal, remote reset and active current limiting. Can be combined with CLIPLINE rail terminals. For installation on DIN rails.

Electronic Appliance Protection Switches

## 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

Observation Connection for the signal line tested according to EN 61000-4-4 with 1 kV; If applicable, protective measures should be provided on the client's side

Repeated strong short circuits can reduce the melting integral of the integrated safety fuse.

Item PropertiesConstruction Rail-mounted, one-piece module

Product Type Appliance Protection Switches, Electronic

Product Family PTCB

Number of poles 1

Number of channels 1

Insulation Properties

Kind of protection Iii

Degree of pollution 2

Electrical PropertiesNumber of channels 1

General

Operating voltage 10 V DC ... 30 V DC

Nominal voltage 24 V DC

Rated Current IN 15 A DC (Total Input Current)

0.5 A DC (Rated Current Output)

Rated Current IN 0.5 A DC

Rated current (preset) 0.5 A

Dimensioning Transient Voltage 0.5 kV

Shot Type E (electronic)

Recirculation Resistance max. 35 V DC

Pre-fuse required It is only necessary if IMaxof the power supply is > the ability to short circuit. Built-in safety feature.

Short-circuit breakdown capability 300 A

Dielectric Strength max. 35 V DC (Charging circuit)

Active Current Limiting Typ. 1.1 x IN

Fuse electronic

Yield > 98.5%

Resting Current IO Typ. 3.8 mA

Dissipated Power Typ. 0.1W (no load)

< 0.7 W (in nominal operation)

Module Initialization Time 40 ms

Timeout after disconnecting a channel 5 sec (in overload/short circuit)

Measurement Tolerance I  $\pm$  7%

Temperature derating 15 A (Total current at 60°C)

20 A (Total current at 50°C)

MTBF (IEC 61709, SN 29500) 271...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PTCB E1 24DC/0.5A SI-R 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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