

**INDUSTRIAL COMPONENT DATA**

# PTCB E1 24DC/0.1-0.63A NO 1441495 PHOENIX CONTACT

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

Brand: PHOENIX CONTACT | Manufacturer Part Number: PTCB E1 24DC/0.1-0.63A NO



|                 |                           |
|-----------------|---------------------------|
| Manufacturer    | PHOENIX CONTACT           |
| MPN / Reference | PTCB E1 24DC/0.1-0.63A NO |
| Catalog number  | 1441495                   |
| Category        | Device circuit breaker    |
| Minimum order   | 1 Pcs                     |
| Document ID     | EO-317BBBE505             |
| Generated       | 2026-08-05                |

### Product Overview

Protection of single-channel electronic equipment for consumers of 12-24 V DC. Adjustable current rating from 0.1-0.63 A. With remote signal and active current limiting. Can be combined with CLIPLINE rail terminals. For installation on DIN rails. Electronic Appliance Protection Switches

Single-channel, electronic device protection for 12-24 V DC loads. Nominal current adjustable from 0.1-0.63 A. With remote signaling and active current limitation. Can be combined with CLIPLINE terminal blocks. For installation on DIN rails.

**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 &gt; Over Current Protection

### Additional Product Information

Technical dataNotesGeneral

Note Connection for signal line tested in accordance with EN 61000-4-4 with 1 kV; if necessary, customer must provide appropriate protective measures

Repeated hard short circuits can reduce the melting integral of the integrated backup fuse.

Product propertiesType DIN rail module, one-piece

Product type Device circuit breakers

Product family PTCB

Number of positions 1

No. of channels 1

Insulation characteristics

Protection class III

Pollution degree 2

Electrical properties No. of channels 1

General

Operating voltage 10 V DC ... 30 V DC

Rated voltage 24 V DC

Rated current IN 15 A DC (Total current input)

0.5 A DC (Rated current output)

Rated current IN 0.1 / 0.2 / 0.315 / 0.4 / 0.5 / 0.63 A DC (adjustable)

Rated current (pre-adjusted) 0.5 A

Rated surge voltage 0.5 kV

Tripping method E (electronic)

Feedback resistance max. 35 V DC

Required backup fuse Only required if  $I_{max}$  of the power supply > the short-circuit switching capacity. Integrated failsafe element.

Short-circuit switching capacity 300 A

Dielectric strength max. 35 V DC (Load circuit)

Active current limitation  $\leq 1,2 \times I_N$ , depending on the current setting

Fuse electronic

Efficiency > 98.5 %

Closed circuit current  $I_0$  typ. 5 mA

Power dissipation typ. 0.1 W (No-load operation)

< 0.7 W (Nominal operation)

Module initialization time 40 ms

Waiting time after switch off of a channel 5 s (at overload / short circuit)

Measuring tolerance  $\pm 17$  % (Depending on the nominal current setting)

Temperature....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PTCB E1 24DC/0.1-0.63A NO 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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