

INDUSTRIAL COMPONENT DATA

PTCB E1 24DC/0.1A SI-R 1464483 PHOENIX CONTACT

Protection of single-channel electronic equipment for consume..

Brand: PHOENIX CONTACT | Manufacturer Part Number: PTCB E1 24DC/0.1A SI-R



Manufacturer	PHOENIX CONTACT
MPN / Reference	PTCB E1 24DC/0.1A SI-R
Catalog number	1464483
Category	Device circuit breaker
Minimum order	1 Pcs
Document ID	EO-DAF3E0E990
Generated	2026-08-02

Product Overview

Protection of single-channel electronic equipment for consumers of 12-24 V DC. Fixed rated current value: 0.1 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

Single-channel, electronic device protection for 12-24 V DC loads. Fixed nominal current value: 0.1 A. With remote signaling, remote reset, 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 > Over Current Protection
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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)

0.1 A DC (Rated current output)

Rated current IN 0.1 A DC

Rated current (pre-adjusted) 0.1 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 typ. $1,2 \times I_N$

Fuse electronic

Efficiency > 98.5 %

Closed circuit current I_0 typ. 3.8 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 $I \pm 17 \%$

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

20 A (Total current at 50°C)

MTBF (IEC 61709, SN 29500) 28256569 h (at 25 °C wit...)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PTCB E1 24DC/0.1A SI-R with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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