

INDUSTRIAL COMPONENT DATA

PTCB E1 24DC/0.63A SI-R 1464485 PHOENIX CONTACT

Protection of single-channel electronic equipment for consum..

Brand: PHOENIX CONTACT | Manufacturer Part Number: PTCB E1 24DC/0.63A SI-R



Manufacturer	PHOENIX CONTACT
MPN / Reference	PTCB E1 24DC/0.63A SI-R
Catalog number	1464485
Category	Device circuit breaker
Minimum order	1 Pcs
Document ID	EO-6303B13DEB
Generated	2026-08-02

Product Overview

Protection of single-channel electronic equipment for consumers of 12-24 V DC. Fixed rated current value: 0.63 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 consumers. Fixed current rating: 0.63 A With remote signaling, remote reset and active current limiting. 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
--------------	---

Additional Product Information

Technical dataNotesGeneral notes

note Connection for the controlled signal line according to EN 61000-4-4 with 1 kV; possibly provide for safety measures to be taken by the customer

Any repeated strong short circuits can reduce the melt integral of the integrated prefuse.

Article featurstype Monolithic Rail Module

Product Type Electronic protection switch

Product Family PTCB

No. of poles 1

Number of channels 1

Insulation characteristics

Security class Iii

Degree of pollution 2

Electrical characteristics Number of channels 1

General notes

Operating voltage 10 V DC ... 30 V DC

Nominal voltage 24 V DC

Dimension. IN 15 A DC (Total Input Current)

0.63 A DC (Rated Output Current)

Rated Current IN 0.63 A DC

Rated current (preset) 0.63 A

Sizing Impulse Voltage 0.5 kV

Release type E (electronic)

Return Feed Resistor max. 35 V DC

Prefuse required Needed only if I_{Max} of the power supply > short-circuit breaking capacity. Integrated Fail-Safe element.

Short circuit breaking capacity 300 A

Voltage resistance max. 35 V DC (Load circuit)

Active current limitation typ. 1.08 x IN

Fuse electronic

Efficiency > 98.5 %

Quiescent current I₀ tip. 3.8 mA

Power dissipation tip. 0.1 W (No-load)

< 0.7 W (Rated Operation)

Module initialization time 40 ms

Wait time after a channel is deactivated 5 s (overload / short circuit)

Measurement Tolerance I ± 7 %

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

20 A (Total current at 50 °C)

MTBF (IEC 61709, SN 29500) 27034333 h (at 25 °C with 21 % load)

116090...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PTCB E1 24DC/0.63A SI-R 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.