

INDUSTRIAL COMPONENT DATA

PTCB E1 24DC/1-8A NO2 1388391 PHOENIX CONTACT

1-channel electronic switch for equipment protection to protec..

Brand: PHOENIX CONTACT | Manufacturer Part Number: PTCB E1 24DC/1-8A NO2



Manufacturer	PHOENIX CONTACT
MPN / Reference	PTCB E1 24DC/1-8A NO2
Catalog number	1388391
Category	Device circuit breaker
Minimum order	1 Pcs
Document ID	EO-0591946A44
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Product Overview

1-channel electronic switch for equipment protection to protect consumers in 24 V DC in case of overload and short circuit. Easy potential distribution with the components of the CLIPLINE complete terminal block system. With electronic locking of the set rated currents. The warning contact opens when the channel is disconnected due to a fault or manually. For installation on DIN rails.

1-channel, electronic circuit breaker for protecting loads at 24 V DC against overload and short circuit. Easy potential distribution with components from the CLIPLINE complete terminal block system. With electronic interlock of the set nominal currents. The signal contact opens if the channel has been switched off manually or due to a fault. 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 EN 50121-3-2: Railway applications - Electromagnetic compatibility - Part 3-2: Rolling stock - Apparatus

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

Insulation characteristics

Protection class III

Pollution degree 2

Electrical properties General

Operating voltage 18 V DC ... 30 V DC

Rated voltage 24 V DC

Rated current IN 24 A DC (Total current input)

8 A DC (Rated current output)

Rated current IN 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 A DC (adjustable)

Rated current (pre-adjusted) 4 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)

Fuse electronic

Efficiency > 99 %

Closed circuit current I_0 typ. 12 mA

Power dissipation typ. 0.3 W (No-load operation)

< 1.6 W (Nominal operation)

Module initialization time < 0.55 s

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

Measuring tolerance $I \pm 15 \%$

Temperature derating 21 A (Total current at 60°C)

24 A (Total curr...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PTCB E1 24DC/1-8A NO2 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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