INDUSTRIAL COMPONENT DATA

PTCB E1 24DC/0.1A NO 1464484 PHOENIX CONTACT Protection of single-channel electronic equipment for consumers..

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	PTCB E1 24DC/0.1A NO
Catalog number	1464484
Category	Device circuit breaker
Minimum order	1 Pcs
Document ID	EO-FB29235A45
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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 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 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

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 propertiesNo. 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 Imaxof 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 x IN
Fuse electronic
Efficiency > 98.5 %
Closed circuit current I0 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 I ± 17 %
Temperature derating 15 A (Total current at 60°C)
20 A (Total current at 50°C)
MTBF (IEC 61709, SN 29500) 29744199 h (at 25 °C with....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PTCB E1 24DC/0.1A NO with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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