

INDUSTRIAL COMPONENT DATA

CBMC E4 24DC/1-10A NO 2906032 PHOENIX CONTACT

Electronic device circuit breaker

Brand: PHOENIX CONTACT | Manufacturer Part Number: CBMC E4 24DC/1-10A NO



Manufacturer	PHOENIX CONTACT
MPN / Reference	CBMC E4 24DC/1-10A NO
Catalog number	2906032
Category	Device circuit breaker
Minimum order	1 Pcs
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Product Overview

Electronic device circuit breaker

Multi-channel electronic equipment protection switch to protect four consumers in 24 V DC in case of overload and short circuit. With electronic locking of the set rated currents. For installation on DIN rails.

Multi-channel electronic circuit breaker for protecting four loads at 24 V DC in the event of overload and short circuit. With electronic locking of the set nominal currents. 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 Repeated hard short circuits can reduce the melting integral of the integrated backup fuse.

Product propertiesProduct type Device circuit breakers

Product family CBMC

Type DIN rail module, one-piece

Number of positions 1

No. of channels 4

Data management status

Article revision 12

Insulation characteristics

Protection class III

Pollution degree 2

Electrical propertiesGeneral

Operating voltage 18 V DC ... 30 V DC

Rated voltage 24 V DC

Rated current IN max. 40 A DC (IN+)

max. 40 A DC (per terminal position when bridging additional devices via IN+)

Rated current IN 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 A DC (adjustable per output channel)

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 I₀ typ. 25 mA

Power dissipation typ. 0.6 W (No-load operation)

< 9 W (Nominal operation)

Module initialization time 1.6 s

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

Measuring tolerance I ± 15 %

Temperature derating 24 A DC (at 60 °C)

28 A DC (at 54 °C)

32 A DC (at 47 °C)

36 A DC (at 41 °C)

40 A DC (at 35 °C)

MTBF (IEC 61709, SN 29500) 8403361 h (at 25 °C with 21 % load)

3067484 h (at 40...)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / CBMC E4 24DC/1-10A NO 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

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