

INDUSTRIAL COMPONENT DATA

CB E1 24DC/2A S-R P 2800909 PHOENIX CONTACT Electronic device circuit breaker

Brand: PHOENIX CONTACT | Manufacturer Part Number: CB E1 24DC/2A S-R P



Manufacturer	PHOENIX CONTACT
MPN / Reference	CB E1 24DC/2A S-R P
Catalog number	2800909
Category	Device circuit breaker
Minimum order	1 Pcs
Document ID	EO-D60FEE955D
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Product Overview

Electronic device circuit breaker

Interruption. Protec. Electronic, 1-pole, active current limiter, status output and reset input, connector for base element.
Electronic circuit breaker, 1-pos., active current limitation, status output and reset input, plug for base element.

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 When mounted in rows without convection cooling, the nominal device current should only be led to a maximum of 80% due to the thermal effect during continuous operation (100% operating factor).

Special precautionary measures must be taken in systems or machines, to prevent components from restarting (e.g., use of a safety PLC).

Parallel connection of multiple circuit breakers is not permitted.

Product propertiesProduct type Device circuit breakers

Product family CB E

Type Male

Number of positions 1

No. of channels 1

Data management status

Article revision 03

Insulation characteristics

Degree of pollution 2
Electrical propertiesGeneral
Operating voltage 24 V DC
18 V DC ... 30 V DC
Nominal current I_N 2 A
Rated surge voltage 0.5 kV
Tripping method E (electronic)
Required backup fuse not required, integrated failsafe element
Dielectric strength max. 30 V DC (Load circuit)
Active current limitation typ. 1.25 x I_N
Fuse electronic
Closed circuit current I_O typ. 8 mA (When switched on)
typ. 11 mA (With status output)
Power dissipation 0.46 W (Nominal operation)
Temperature derating 2 A (at 50 °C)
MTBF (IEC 61709, SN 29500) 8320000 h (at 25 °C with 80 % load)
7410000 h (at 40 °C with 80 % load)
Voltage drop 100 mV (at I_N)
Fail-safe element 4 A DC
Load circuit
Shutdown time 400 ms (see time/current characteristic curve)
Undervoltage switch-off < 14 V (typ. OFF)
> 17 V (typ. ON)
Max. capacitive load 20000 µF
Switch-on delay typ. 2 ms
Auxiliary contact
Contact...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / CB E1 24DC/2A S-R P with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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