

## INDUSTRIAL COMPONENT DATA

# CB E1 24DC/4A NO P 2800904 PHOENIX CONTACT Electronic device circuit breaker

Brand: PHOENIX CONTACT | Manufacturer Part Number: CB E1 24DC/4A NO P



|                 |                        |
|-----------------|------------------------|
| Manufacturer    | PHOENIX CONTACT        |
| MPN / Reference | CB E1 24DC/4A NO P     |
| Catalog number  | 2800904                |
| Category        | Device circuit breaker |
| Minimum order   | 1 Pcs                  |
| Document ID     | EO-920624D3D8          |
| Generated       | 2026-09-25             |

## Product Overview

Electronic device circuit breaker

Interruption. Protec. Electronic, 1 pole, active current limiter, 1 NO contact, connector for base element.

Electronic circuit breaker, 1-pos., active current limitation, 1 N/O contact, 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 |
|--------------|-------------------------------------------|

## 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

Pollution degree 2  
Electrical propertiesGeneral  
Operating voltage 24 V DC  
18 V DC ... 30 V DC  
Nominal current  $I_N$  4 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.  $1.25 \times I_N$   
Fuse electronic  
Closed circuit current  $I_0$  typ. 8 mA (When switched on)  
typ. 17 mA (With alarm output)  
Power dissipation 0.81 W (Nominal operation)  
Temperature derating 4 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 6 A DC  
Load circuit  
Shutdown time 200 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 con...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / CB E1 24DC/4A NO P with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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