

INDUSTRIAL COMPONENT DATA

CB E1 24DC/6A NO P 2800905 PHOENIX CONTACT Electronic device circuit breaker

Brand: PHOENIX CONTACT | Manufacturer Part Number: CB E1 24DC/6A NO P



Manufacturer	PHOENIX CONTACT
MPN / Reference	CB E1 24DC/6A NO P
Catalog number	2800905
Category	Device circuit breaker
Minimum order	1 Pcs
Document ID	EO-40EAFB11AE
Generated	2026-09-27

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 6 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 1.19 W (Nominal operation)
Temperature derating 5 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 130 mV (at I_N)
Fail-safe element 10 A DC
Load circuit
Shutdown time 130 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 co...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / CB E1 24DC/6A NO P 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.