

INDUSTRIAL COMPONENT DATA

CB TM1 6A F1 P 2800863 PHOENIX CONTACT

Thermomagnetic device circuit breaker

Brand: PHOENIX CONTACT | Manufacturer Part Number: CB TM1 6A F1 P



Manufacturer	PHOENIX CONTACT
MPN / Reference	CB TM1 6A F1 P
Catalog number	2800863
Category	Device circuit breaker
Minimum order	1 Pcs
Document ID	EO-EEE3579764
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Product Overview

Thermomagnetic device circuit breaker

Interrupt. protec. thermomagnetic, 1 pole, caract curve. activ. F1 (fast), 1 inverted contact, connector for base element.

Thermomagnetic device circuit breaker, 1-pos., tripping characteristic F1 (fast-blow), 1 changeover 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
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Additional Product Information

Technical dataNotesGeneral When mounted in rows, the nominal device current can be limited to just 80% or must be oversized accordingly.

Product propertiesProduct type Thermomagnetic device circuit breakers

Product family CB TM

Type Male

Number of positions 1

No. of channels 1

Data management status

Article revision 06

Insulation characteristics

Degree of pollution 2

Electrical propertiesFuse type Automatic device

General

Rated voltage 50 V DC (IEC 60934)
50 V DC (UL 1077)
50 V DC (UL 508 - with plug-in base)
Rated insulation voltage U_i 277 V AC (UL 1077)
250 V AC (IEC 60934)
Rated current I_N 6 A (IEC 60934)
inductive load according to UL 1077
6 A DC (low-induction load according to UL 1077)
6 A DC (inductive load according to UL 508 - with plug-in base)
6 A DC (low-induction load according to UL 508 - with plug-in base)
Rated surge voltage 2.5 kV (Increased insulation in actuation area)
Insulation resistance $R_{iso} > 100\text{ M}\Omega$ (500 V DC)
Auxiliary circuit 277 V AC / 0.5 A (Low-induction)
277 V AC / 1 A (Low-induction, maximum of 2000 cycles)
50 V DC / 1 A (Low-induction)
Type of actuation S type
Tripping method TM (thermomagnetic)
Tripping level Trip-free mechanism (positive)
Device resistance 50 m Ω ?
Switch-on delay typ. 2 ms
Required backup fuse 24 A ($I > I_{cn}$)
Rated short-circuit switching capacity I_{cn} 600 A (50 V DC)
Short-circuit switching capacity 1000 A AC (277 V AC)
1000 A DC (50 V DC)
Dielectric strength 3000 V AC (Actuation area)
1500 V AC (Main to auxiliary circuit...)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / CB TM1 6A F1 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

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