INDUSTRIAL COMPONENT DATA

CB TM1 8A F1 P 2800864 PHOENIX CONTACT Thermomagnetic device circuit breaker

Brand: PHOENIX CONTACT | Manufacturer Part Number: CB TM1 8A F1 P



Manufacturer	PHOENIX CONTACT
MPN / Reference	CB TM1 8A F1 P
Catalog number	2800864
Category	Device circuit breaker
Minimum order	1 Pcs
Document ID	EO-CEBF050221
Generated	2026-11-19

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

Additional Product Information

Technical dataNotesGeneral When mounted in rows, the nominal device current can be limited to just 80% or must be overdimensioned 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 Ui 277 V AC (UL 1077)
250 V AC (IEC 60934)
Rated current IN 8 A (IEC 60934)
inductive load according to UL 1077
8 A DC (low-induction load according to UL 1077)
8 A DC (inductive load according to UL 508 - with plug-in base)
8 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 Riso > 100 M? (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 18 m?
Required backup fuse 32 A (I > Icn)
Rated short-circuit switching capacity Icn 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)
1500 V AC (Open main cir...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / CB TM1 8A 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

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.