

INDUSTRIAL COMPONENT DATA

TCP 10/12A 1538627 PHOENIX CONTACT Single-channel thermal switch for equipment protection, to protect consum..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TCP 10/12A



Manufacturer	PHOENIX CONTACT
MPN / Reference	TCP 10/12A
Catalog number	1538627
Category	Device circuit breaker
Minimum order	1 Pcs
Document ID	EO-A97E79E889
Generated	2026-09-28

Product Overview

Single-channel thermal switch for equipment protection, to protect consumers at 250 V AC/72 V DC in case of overload. For installation in fuse terminal blocks and interfaces for flat insertable fuse of Form C according to ISO 8820-3. With fixed rated current: 12 A

Thermal circuit breaker, plug-in terminal for push-in fuse PT 10-FSI/C.

Thermal miniature circuit breaker, can be plugged into PT 10-FSI/C Push-in fuse terminal block.

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 dataProduct propertiesType Male

Product type Thermal device circuit breakers

Number of positions 1

Insulation characteristics

Overvoltage category II

III (Actuation area)

Degree of pollution 2

Electrical propertiesFuse type Automatic device

Fuse Slow-blow

General

Rated voltage 250 V AC

72 V DC
250 V AC (UL/CSA)
72 V DC (UL/CSA)
Rated current I_N 12 A
Rated surge voltage 2.5 kV
Insulation resistance $R_{iso} > 100 \text{ M}\Omega$ (500 V DC)
Tripping method T (thermal)
Device resistance 0 Ω
Rated short-circuit switching capacity I_{cn} 30 A (250 V AC)
50 A (72 V DC)
Short-circuit switching capacity 2000 A (250 V AC / UL 1077)
2000 A (72 V DC / UL 1077)
Dielectric strength 3000 V AC (Actuation area)
1500 V AC (Installation area)
Switching cycles, max. 6000 (At 1 x I_N , low-induction)
3000 (At 1 x I_N , inductive)
40 (at 6 x I_N , AC)
Connection dataConnection method pluggable
DimensionsDimensional drawing
Width 9.5 mm
Height 24.4 mm
Depth 44.5 mm
Material specificationsFlammability rating according to UL 94 V-0
Insulating material group IIIb
Insulating material PPS
Mechanical propertiesMechanical data
Open side panel No
Environmental and real-life conditionsAmbient conditions
Degree of protection IP40 (Actuation area)
IP00 (Connection area)
Ambient temperature (operation) -20 °C ... 60 °C
Ambient temperature (storage/transport) -40 °C ... 80 °C
Altitude $\leq 4000 \text{ m}$ (amsl)
Humidity test 240 h, 95 % RH, 40 °C
Shock (operation) 25g (11 ms period, half-sine shock pulse, according to IEC 60068-2-27)
V...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TCP 10/12A 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.