

INDUSTRIAL COMPONENT DATA

UT 6-TMC M 12A 0916611 PHOENIX CONTACT

Thermomagnetic device circuit breaker

Brand: PHOENIX CONTACT | Manufacturer Part Number: UT 6-TMC M 12A



Manufacturer	PHOENIX CONTACT
MPN / Reference	UT 6-TMC M 12A
Catalog number	0916611
Category	Device circuit breaker
Minimum order	6 Pcs
Document ID	EO-E7BF91D139
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Product Overview

Thermomagnetic device circuit breaker
Thermomagnetic protection switch, 1 pole, for symmetrical rail mounting
Thermal-magnetic circuit breaker, 1-pos., for DIN rail mounting

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 propertiesProduct type Thermomagnetic device circuit breakers
Product family UT 6-TMC
Type DIN rail module, one-piece
Number of positions 1
Number of connections 2
Number of rows 1
No. of channels 1
Potentials 1
Data management status
Article revision 07
Insulation characteristics
Overvoltage category II
Degree of pollution 2

Electrical properties Fuse type Automatic device

Maximum power dissipation for nominal condition ≤ 1.57 VA

General

Operating voltage 50 V AC ... 264 V AC (48 - 62 Hz)

5 V DC ... 30.8 V DC

Rated voltage 240 V AC (50/60 Hz)

28 V DC

240 V AC (50/60 Hz)

28 V DC

Rated insulation voltage U_i 440 V AC

Rated current I_N 12 A

Rated surge voltage 2.8 kV

Insulation resistance $R_{iso} > 100$ M Ω (main contact)

Type of actuation S type

Tripping method TM (thermomagnetic)

Tripping level Trip-free mechanism (positive)

Device resistance 10.9 m Ω

Required backup fuse 25 A

Rated short-circuit switching capacity I_{cn} 200 A (240 V AC)

400 A (28 V DC)

Dielectric strength 2000 V

Switching cycles, max. 6000 (at 1 x I_N)

50 (at 1.5 x I_N)

40 (at 6 x I_N)

Fuse M1 (normal blow)

Power dissipation ≤ 1.57 VA

Temperature derating 9.24 A DC (at -30 °C)

9.6 A DC (at -20 °C)

10.2 A DC (at -10 °C)

10.8 A DC (at 0 °C)

11.4 A DC (at 10 °C)

12 A DC (at 23 °C)

12.36 A DC (at 30 °C)

12.96 A DC (at 40 °C)

13.8 A DC (at 50 °C)

14.52 A DC (at 60 °C)

Indicator/remote signaling

Connection name Auxiliary contact

Connection data Nominal cross section 6.00 mm²

Rated cross section AWG 8

Conne...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / UT 6-TMC M 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

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