

## Thermomagnetic device circuit breaker - UT 6-TMC M 1A - 0916604

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Thermomagnetic circuit breaker, 1-pos., for DIN rail mounting

### Your advantages

- ✓ Simple feed-in due to bridging capability using CLIPLINE complete accessories
- ✓ High system availability, thanks to easy resetting
- ✓ Quick and easy identification with large-area marking options
- ✓ The right device for every application, thanks to a nominal current range of 0.5 to 16 A
- ✓ Space savings of 30 % compared to miniature circuit breakers owing to the compact width of 12.3 mm



### Key Commercial Data

Packing unit	6 pc
GTIN	 4 046356 449007
GTIN	4046356449007
Weight per Piece (excluding packing)	63.883 g
Custom tariff number	85362010
Country of origin	Czech Republic
Sales Key	CLA122

### Technical data

#### General

Number of levels	1
Number of connections	2
Mounting type	DIN rail: 35 mm
Color	gray
Number of positions	1
Overvoltage category	II

# Thermomagnetic device circuit breaker - UT 6-TMC M 1A - 0916604

## Technical data

### General

Insulating material	PA66
Flammability rating according to UL 94	V0

### Electrical data

Fuse type	Automatic device
Rated surge voltage	2.8 kV
Rated voltage	240 V AC (50/60 Hz)
	28 V DC
	240 V AC (50/60 Hz)
	28 V DC
Operating voltage	50 V AC ... 264 V AC (48 - 62 Hz)
	5 V DC ... 30.8 V DC
Rated current $I_N$	1 A
Rated insulation voltage $U_i$	440 V AC
Insulation resistance $R_{iso}$	> 100 M $\Omega$ (main contact)
Required backup fuse	16 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 $I_n$ )
Degree of pollution	2
Overvoltage category	II

### Dimensions

Height	85.5 mm
Width	12.3 mm
Depth	89.5 mm

### Ambient conditions

Degree of protection	IP40 (Actuation area)
	IP20 (Connection area)
Ambient temperature (operation)	-30 °C ... 60 °C

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	10 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	8
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>

## Thermomagnetic device circuit breaker - UT 6-TMC M 1A - 0916604

### Technical data

#### Connection data

Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	2.5 mm <sup>2</sup>
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum	0.25 mm <sup>2</sup>
Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum	1.5 mm <sup>2</sup>
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum	0.5 mm <sup>2</sup>
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	4 mm <sup>2</sup>
Connection method	Screw connection
Stripping length	12 mm
Screw thread	M4
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm

#### Standards and Regulations

Standards/specifications	EN 60934
	UL 1077
	CSA 22.2 No. 235
	EAC

#### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"



# SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

# [www.scatts.co.uk](http://www.scatts.co.uk)