

## Thermomagnetic device circuit breaker - UT 6-TMC M 4 - 0916606

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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

**RoHS**

### Key Commercial Data

Packing unit	6 pc
GTIN	 4 046356 449021
GTIN	4046356449021
Weight per Piece (excluding packing)	63.330 g
Custom tariff number	85362010
Country of origin	Czech Republic

### 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
Insulating material	PA66
Flammability rating according to UL 94	V0

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## Technical data

### 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 $I_N$	4 A
Rated insulation voltage $U_i$	440 V AC
Insulation resistance $R_{iso}$	> 100 MΩ (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

Ambient temperature (operation)	-30 °C ... 60 °C
Altitude	2000 m (acc. to EN 60934)
Degree of protection	IP40 (Actuation area)
	IP20 (Connection area)

### 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>
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>

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### Technical data

#### Connection data

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"