

## Thermomagnetic device circuit breaker - UT 6-TMC M 2A - 0916605

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

The figure shows the 10 A version

### Product Features

- Thermomagnetic circuit breakers feature a compact design, large-surface labeling options, and a double plug-in bridge shaft
- Clear assignment of the relevant circuit breaker thanks to the large center labeling area
- High level of system availability thanks to their reclosure function and clear status display



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	63.33 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

#### Electrical data

Fuse type	Automatic device
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## Technical data

### Electrical data

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 $I_N$	2 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

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>

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## 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>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm <sup>2</sup>
Connection method	Screw connection
Stripping length	10 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

## Classifications

### eCl@ss

eCl@ss 4.0	27141116
eCl@ss 4.1	27141116
eCl@ss 5.0	27141116
eCl@ss 5.1	27141116
eCl@ss 6.0	27141116
eCl@ss 7.0	27141116
eCl@ss 8.0	27141116

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## Classifications

### ETIM

ETIM 2.0	EC000899
ETIM 3.0	EC000899
ETIM 4.0	EC000899
ETIM 5.0	EC000899

### UNSPSC

UNSPSC 6.01	30211812
UNSPSC 7.0901	39121411
UNSPSC 11	39121411
UNSPSC 12.01	39121411
UNSPSC 13.2	39121411

## Approvals

### Approvals

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#### Approvals

CSA / UL Recognized / VDE Zeichengenehmigung / cUL Recognized / EAC / EAC / cULus Recognized

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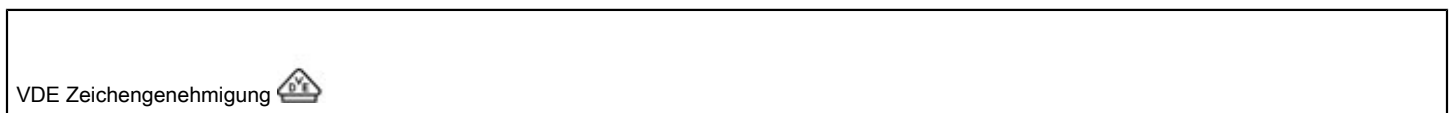
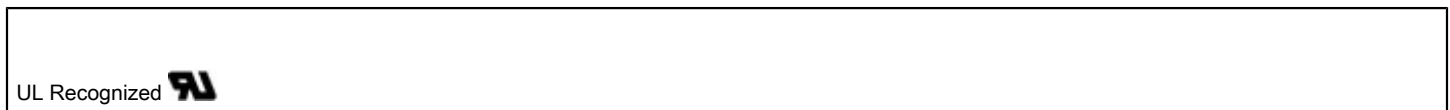
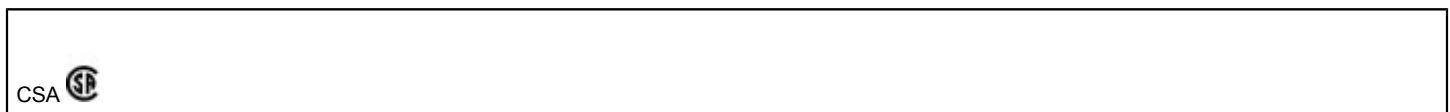
#### Ex Approvals

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#### Approvals submitted

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## Approval details



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## Approvals

cUL Recognized

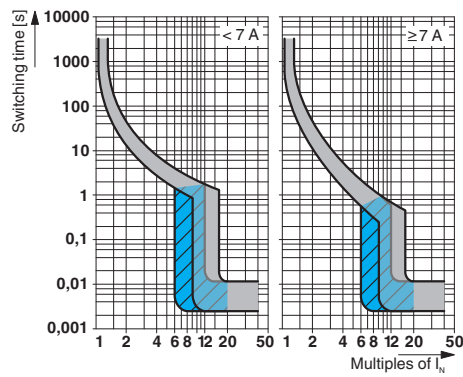
EAC

EAC

cULus Recognized

## Drawings

Diagram



Trigger characteristic