

UT 6-TMC M 5A

Order No.: 0916607

The figure shows the 10 A version



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

Commercial data

EAN	 4 046356 449038
sales group	J712
Pack	6 Pcs.
Customs tariff	85362010
Gross weight in pieces	0.06458 KG
Net weight per piece	0.06458 KG
Catalog page information	Page 263 (C-6-2013)

Product notes

WEEE/RoHS-compliant since:
09/11/2008



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Technical data

General

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

Insulating material	PA66
Inflammability class 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	5 A
Rated insulation voltage U_i	440 V AC
Insulation resistance R_{iso}	> 100 M Ω (main contact)
Required backup fuse	20 A
Rated short-circuit switching capacity I_{cn}	200 A (240 V AC)
	400 A (28 V DC)
Dielectric strength	2000 V
Cycles, max.	6000 (at 1 x I_n)
	50 (at 1.5 x I_n)
	40 (at 6 x I_n)
Pollution degree	2
Surge voltage 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 ²
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Conductor cross section solid max.	10 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	10 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	8
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	6 mm ²
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	2.5 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	2.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm ²
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

Certificates / Approvals



Certification

CSA, cULus Recognized, VDE Zeichengenehmigung

Certifications applied for:

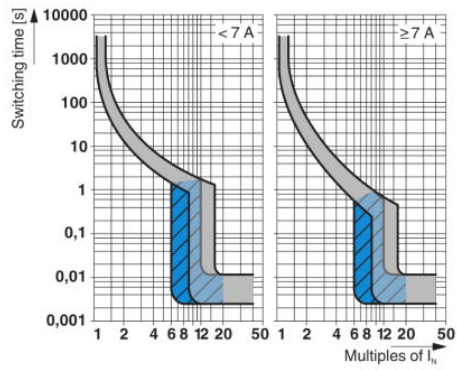
Certification Ex:

Accessories

Item	Designation	Description
Bridges		
3030336	FBS 2-6	Plug-in bridge, Number of positions: 2, Color: red
3030242	FBS 3-6	Plug-in bridge, Number of positions: 3, Color: red
3030255	FBS 4-6	Plug-in bridge, Number of positions: 4, Color: red
3030349	FBS 5-6	Plug-in bridge, Number of positions: 5, Color: red
3030271	FBS 10-6	Plug-in bridge, Number of positions: 10, Color: red
3030365	FBS 20-6	Plug-in bridge, Number of positions: 20, Color: red
Marking		
0819194	UC-TM 12	Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 12 mm, Lettering field: 11.45 x 10.5 mm
3047345	WS UT 6	Warning sign for UT terminal blocks
0812120	ZB 12:UNPRINTED	Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 12.2 mm, Lettering field: 12 x 10.5 mm
Tools		
1205066	SZS 1,0X4,0 VDE	Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Drawings

Diagram



Trigger characteristic

Address

PHOENIX CONTACT Deutschland GmbH
Flachsmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>



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