

# RAMO 30 T M12, round collar, ring illumination, momentary contact function, frontring stainless steel, Color red, 1 NO, bezel stainless steel



## fields of application

- > Measurement-control-regulation
- > Electrical engineering
- > Mechanical and system engineering
- > Vehicle construction
- > Chemical industry
- > Industrial robots

## special features

- Key stroke with tactile feedback or mushroom pushbutton with latching actuator
- Based on the RAFI MICON 5 short-travel keyswitch with gold contacts, which has proven itself millions of times over
- > Single-part, closed housing
- Unique series with easiest Plug&Play connection
- Completely tailored design fits the RAFIX range of control components
- > Flat overall height
- Stainless steel front ring
- > Installation size: 30.3 mm
- > Plug & Play connection M12
- Custom print options, including FLEXLAB bezels
- > Can be illuminated in many colors
- > Redundant version with 2 NO contacts
- > Pushbutton with black mushroom head

# C€ℤ

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## technical data sheet 1.11.011.801/0300



## description

Because it features the RAFI MICON 5 tactile switch, RAMO 30 T offers tactile feedback with a noticeable click. Due to the IP 66/ IP69K degree of protection, it is recommended in particular for plant engineering and construction. RAMO 30 T requires a mounting hole diameter of 30.3 mm and offers an extremely flat design of the front panel.

As a further product variant, the RAMO 30 T mushroom pushbutton offers a latching pushbutton option for every application. It is characterised by form and function as for an emergency stop, but is only declared as a pushbutton. Various contact functions are possible.

Additional information according to UL certificate:

For Class 2 Power Source or Limited Voltage / Limited Current only

Installation only by trained specialist personnel.

Type 4x Indoor only with cable "Cat. No. 7000-08061-0210100 PUR 4x0.25mm<sup>2</sup> with M8 connector, rated max. 30VAC/DC 4A, manufactured by Murrelektronik GmbH" and "Cat. No. 7000-12221-0340100 PUR 4x0.34mm<sup>2</sup> with M12 connector, rated max. 30VAC/DC 4A, manufactured by Murrelektronik GmbH"

For Use on a Flat Surface of a Type 1 or 4x indoor only Enclosure.

## technical data

>	general		
	Potential free	yes	direct links
	Color	black	➤ RAFI eCatalog
	Bezel color	stainless steel	
	Collar color	black	
	Front ring color	stainless steel	
	Ring lighting color	red	
	Collar shape	round	
	Operating temperature, min.	-40 °C	
	Storage temperature, min.	-40 °C	
	Operating temperature, max.	85 °C	
	Storage temperature, max.	85 °C	
	illuminated	Yes	
	Luminous elements	LED	
	Packaging	Box	
	Packaging unit	10 pcs.	
	net weight	26.3 g	
	Operating life	500,000 cycles	
	B10	650,000 cycles	
	Degree of protection, front side,	IP66	
	according to DIN EN 60529	IP67	
		IP69	
	Degree of protection, rear side,	IP66	
	according to DIN EN 60529	IP67	
	UL Enclosure Type Rating front side	type 4X	
	Environment resistance	IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-78	

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	Salt-spray resistance according to	IEC 60068-2-11
	standard	
	shock resistance	05
	MOQ order	10 pcs.
	Pollution degree acc. to DIN EN	Pollution degree 2
	61010-1	
	RoHS compliant	Yes
	REACH compliant	Yes
>	mounting diameters	
	Mounting hole	30.3 mm
	Mounting depth	36.4 mm
	Installation height	3.6 mm
	Grid, min.	35 mm
	Outside dimension, length	34.5 mm
	Outside dimension, width	34.5 mm
	Outside dimension, height	40 mm
>	mechanical data	
	Actuation function	momentary contact function
	Operating force, max.	12 N
	Operating force, min.	5 N
	Operating travel, max.	1 mm
	Contact function	1 NO
	Contact material	Gold
	Fixing	Threaded ring
	Threaded ring torque, max.	1.2 Nm
	Terminal on the rear	M12 4-pin A-coded
	PIN 1	Normally open contact 1
	PIN 2	LED +
	PIN 3	GND
	PIN 4	Normally open contact 1
>	electrical data	
	Rated insulation voltage	250 V
	Rated surge voltage	800 V
	Rated operating voltage	35 V (AC-15)
		35 V (DC-13)
	Operating voltage of the luminous	20 V
	element, min.	
	Operating voltage of the luminous	28 V
	element, max.	
	Rated voltage, min.	0.02 V
	Rated voltage, max.	35 V
	Rated voltage, max. acc. to UL	30 V DC (42,4 V peak)
	60947	
	Voltage type	DC
	Rated operating current	0.1 A
	Rated operating voltage	0.02-35 V
	Rated current, min.	0.00001 A

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Rated current, max.	0.1 A
Rated power, max.	1 W
Power loss	0.7 W
Overvoltage category	2
Kind of short circuit protective	fuse 250 V / 0,1 A / 1,5 kA gG quick
device	
Conditional short circuit current	1,000 A

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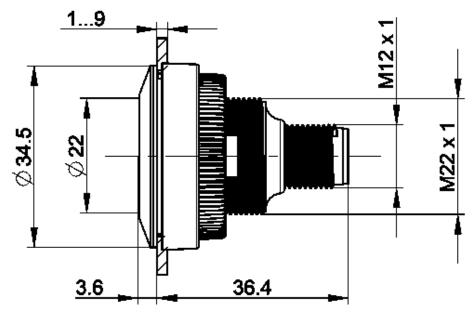
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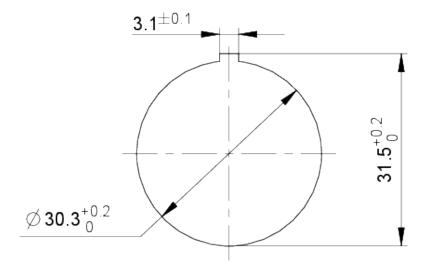


## drawings

## **Dimensioned drawing**



## Mounting hole drawing



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