

# RAMO 22 T, M8, round collar, momentary contact function, frontring black, 1 NO, bezel green

## DISCONTINUED



## Description

Because it features the RAFI MICON 5 tactile switch, RAMO 22 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 22 T requires a mounting hole diameter of 22.3 mm.

As a further product variant, the RAMO 22 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.

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## technical data

> general		
Potential free	yes	direct links
Color	black	> RAFI eCatalog
Bezel color	green	
Property of bezel / mushroom	translucent	
Collar color	black	
Front ring color	black	
Luminous element color	green	
Collar shape	round	
Operating temperature, min.	-40 °C	
Operating temperature, max.	85 °C	
Storage temperature, min.	-40 °C	
Storage temperature, max.	85 °C	
illuminated	Yes	
Luminous elements	LED	
Packaging	Box	
Packaging unit	10 pcs.	
net weight	12.1 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	type 4X indoor	
side		
Environment resistance	IEC 60068-2-14	
	IEC 60068-2-30 IEC 60068-2-33	
	IEC 60068-2-33	
	IEC 60068-2-78	

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# 1.10.010.001/0551



	Salt-spray resistance according to	IEC 60068-2-11
	standard	
	Impact resistance IK	05
	Minimum order quantity (MOQ)	30 pcs.
	Pollution degree acc. to DIN EN 61010-1	Pollution degree 2
	RoHS compliant	Yes
	REACH compliant	Yes
	country of origin	HU
>	mounting diameters	
	Outside dimension, length	29.8 mm
	Outside dimension, width	29.8 mm
	Outside dimension, height	39.6 mm
	Mounting hole	22.3 mm
	Mounting depth	29.55 mm
	Installation height	9.95 mm
	Grid, min.	30 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	M8
	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
	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.	30 V DC (42,4 V peak)
	Rated operating current	0.1 A
	Rated current, min.	0.00001 A
	Rated current, max.	0.1 A
	Rated power, max.	1 W
	Overvoltage category	2

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	Kind of short circuit protective device	fuse 250 V / 0,1 A / 1,5 kA gG quick	
	Conditional short circuit current	1,000 A	
>	Specifications according to IEC 60947-5-1		
	Rated operating voltage	35 V (AC-15)	
		35 V (DC-13)	
	Rated surge voltage	800 V	
>	Specifications according to UL 60947		
	Rated voltage, max.	30 V DC (42,4 V peak)	
	UL Enclosure Type Rating front side	type 4X indoor	

# Use according to UL:

Only approved for Class 2 or limited voltage / limited current power source.

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 plug, rated power max. 30VAC/DC 4A, manufactured by Murrelektronik GmbH" and "Cat. No. 7000-12221-0340100 PUR 4x0.34mm<sup>2</sup> with M12 connector, rated power max. 30VAC/DC 4A, manufactured by Murrelektronik GmbH" and 'Cat. 30VAC/DC 4A, manufactured by Murrelektronik GmbH" and 'Cat. 30VAC/DC 4A, manufactured by Murrelektronik GmbH' and "Cat. no. 7000-12221-0340100 PUR 4x0.34mm<sup>2</sup> with M12 connector, rated power max. 30VAC/DC 4A, manufactured by Murrelektronik GmbH' and 'Cat. 30VAC/DC 4A, manufactured by Murrelektronik GmbH' and 'Cat. 30VAC/DC 4A, manufactured by Murrelektronik GmbH' and "Cat. no. 7000-12221-0340100

For use on a flat surface of a type 1 or 4x enclosure for indoor use only.

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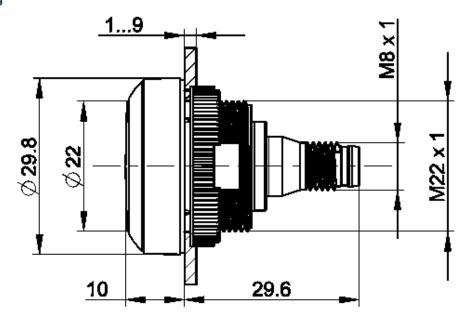
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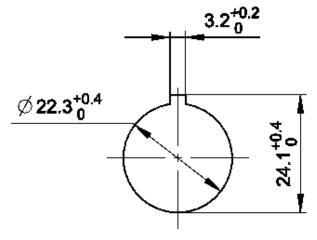


## drawings

#### **Dimensioned drawing**



### Mounting hole drawing



acc. to IEC 60947-5-1

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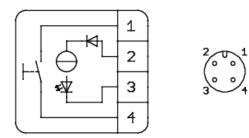
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Schematic diagram



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