

RAMO 22 T, M12, 1 NO, multicolored, round collar, momentary contact function, frontring black, 1 NO, bezel white



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 T multicolor offers a pushbutton for a wide range of applications where, for example, two-color illumination is required to indicate different states. The different colors of illumination are achieved by controlling the respective pins, for example via the system control. Two colors cannot be controlled or displayed simultaneously.



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technical data

> general

Potential free	yes
Color	black
Bezel color	white
Property of bezel / mushroom	translucent
Collar color	black
Front ring color	black
Luminous element color	red / 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 g
Operating life	500,000 cycles
B10	650,000 cycles
Degree of protection, front side, according to DIN EN 60529	IP66 IP67 IP69
Degree of protection, rear side, according to DIN EN 60529	IP66 IP67
Environment resistance	IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-33 IEC 60068-2-78

direct links

> RAFI eCatalog

Salt-spray resistance according to standard	IEC 60068-2-11
Impact resistance IK	05
Minimum order quantity (MOQ)	10 pcs.
Pollution degree acc. to DIN EN 61010-1	Pollution degree 2
RoHS compliant	Yes
REACH compliant	Yes
> mounting diameters	
Outside dimension, length	40 mm
Outside dimension, width	29.8 mm
Outside dimension, height	29.8 mm
Mounting hole	22.3 mm
Mounting depth	30.2 mm
Installation height	9.8 mm
Grid, min.	30 mm
> mechanical data	
Terminal on the rear	M12 5-pin A-coded
Fixing	Threaded ring
Actuation function	momentary contact function
Operating force, max.	12 N
Operating force, min.	5 N
Operating travel, max.	1 mm
Threaded ring torque, max.	1.2 Nm
Resistance to force on the side	300 N
Contact function	1 NO
Contact material	Gold
PIN 1	Normally open contact 1
PIN 2	LED red
PIN 3	GND
PIN 4	Normally open contact 1
PIN 5	LED green
> electrical data	
Rated insulation voltage	250 V
Rated surge voltage	800 V
Rated voltage, min.	0.02 V
Rated voltage, max.	35 V
Rated voltage, max.	30 V DC (42,4 V peak)
Voltage type	DC
Rated operating current	0.1 A
Rated operating voltage	0.02-35 V
Rated current, min.	0.00001 A
Rated current, max.	0.1 A
Rated power, max.	1 W
Overvoltage category	2
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 type 4X indoor
side

Use according to UL:

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

Installation only by trained specialist personnel.

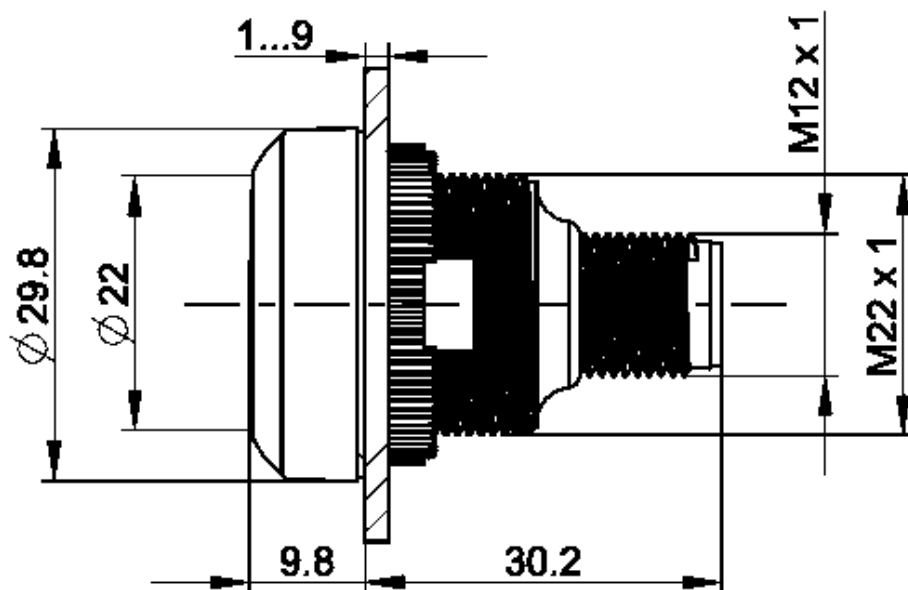
Type 4x Indoor only with cable "Cat. No. 7000-08061-0210100 PUR 4x0.25mm² with M8 plug, rated power max. 30VAC/DC 4A, manufactured by Murrelektronik GmbH" and "Cat. No. 7000-12221-0340100 PUR 4x0.34mm² with M12 connector, rated power max. 30VAC/DC 4A, manufactured by Murrelektronik GmbH" and 'Cat. 30VAC/DC 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.

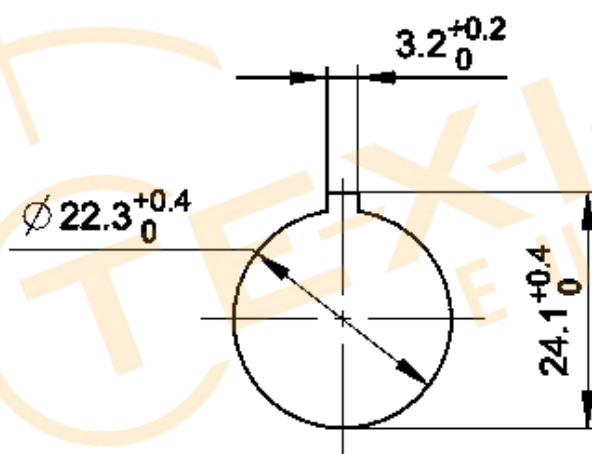


drawings

Dimensioned drawing

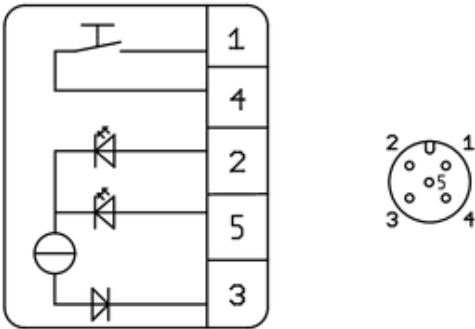


Mounting hole drawing



acc. to IEC 60947-5-1

Schematic diagram



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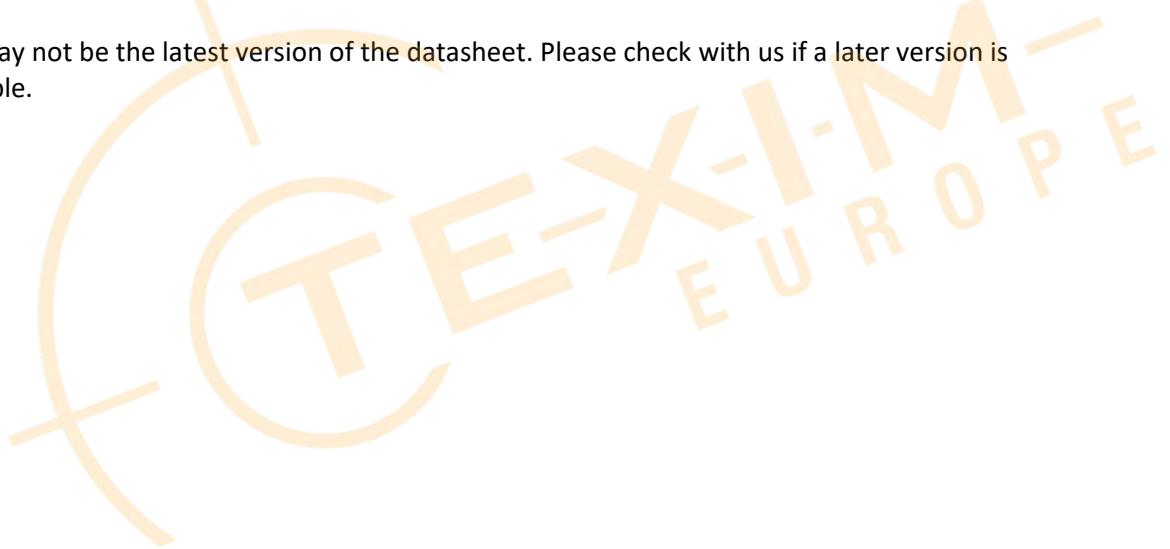
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





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