

# RAMO 30 T M12, round collar, momentary contact function, frontring stainless steel, 1 NO, bezel yellow



#### 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



## 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 4x0.25mm² with M8 connector, rated max. 30VAC/DC 4A, manufactured by Murrelektronik GmbH" and "Cat. No. 7000-12221-0340100 PUR 4x0.34mm² 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
Color black

Bezel color yellow
Property of bezel / mushroom translucent
Collar color black

Front ring color stainless steel

Luminous element color yellow 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.

Operating life 500,000 cycles B10 650,000 cycles

Degree of protection, front side, according to DIN EN 60529 IP67
IP69
Degree of protection, rear side. IP66

Degree of protection, rear side, according to DIN EN 60529 IP67

UL Enclosure Type Rating front type 4X indoor

side

net weight

Environment resistance IEC 60068-2-14

IEC 60068-2-30 IEC 60068-2-78 IEC 60068-2-11

Pollution degree 2

24.6 g

Salt-spray resistance according to

standard

shock resistance 05 MOQ order 10 pcs.

Pollution degree acc. to DIN EN

61010-1

RoHS compliant Yes
REACH compliant Yes

## > mounting diameters

Outside dimension, length 34.5 mm
Outside dimension, width 34.5 mm
Outside dimension, height 40 mm
Mounting hole 30.3 mm
Mounting depth 36.4 mm
Installation height 3.6 mm

purposes may infringe the rights of the respective entity holding those rights.

direct links

> RAFI eCatalog

RAFI GmbH & Co. KG

Ravensburger Str. 128-134

88276 Berg / Ravensburg



Grid, min. 35 mm

> mechanical data

Actuation function momentary contact function

Operating force, max. 12 N Operating force, min. 5 N Operating travel, max. 1 mm Resistance to force on the side 300 N 1 NO Contact function 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

element, min.

20 V 28 V

Operating voltage of the luminous

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 0.1 A Rated operating current Rated operating voltage 0.02-35 V Rated current, min. 0.00001 A Rated current, max. 0.1 A Rated power, max. 1 W

Power loss 0.70030 W

Overvoltage category

Kind of short circuit protective fuse 250 V / 0,1 A / 1,5 kA gG quick

device

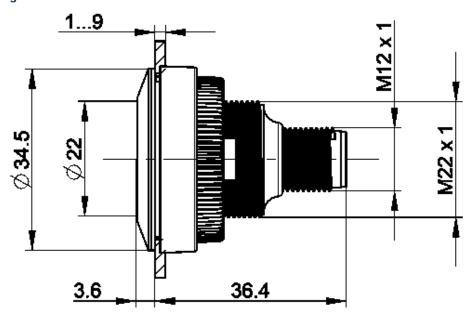
Conditional short circuit current 1,000 A

RAFI GmbH & Co. KG

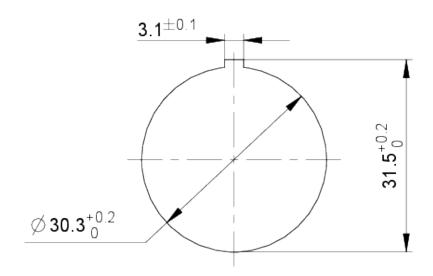


# drawings

## **Dimensioned drawing**



## Mounting hole drawing





#### Schematic diagram

