

# RAMO 30 T, mushroom pushbutton, M12, collar round, latching, 2 NC



#### 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
_	uciiciai

Potential free yes Legending Arrows

Color black
Color of mushroom black

Legending color black
Collar color black
Collar shape round
Operating temperature, min. -40 °C
Operating temperature, max. 85 °C

Storage temperature, min. -40 °C
Storage temperature, max. 90 °C
illuminated No
Packaging Box
Packaging unit 2 pcs.

 Operating life
 50,000 cycles

 B10
 65,000 cycles

 B10d
 84,500 cycles

Degree of protection, front side,

according to DIN EN 60529

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

UL Enclosure Type Rating front

side

net weight

Environment resistance IEC 60068-2-14

IEC 60068-2-30 IEC 60068-2-33 IEC 60068-2-78

IEC 60068-2-11

Pollution degree 2

type 4X indoor

Salt-spray resistance according to

standard

shock resistance 07 side

08 frontal

32 g

IP65

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 69.7 mm
Mounting hole 30.3 mm
Mounting depth 36.3 mm
Installation height 33.4 mm
Grid, min. 35 mm

The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products are the mere results of individual technical testing. These descriptions and other product features are only binding if they expressly agreed upon at the time of the conclusion of a binding contract. In all other cases, we reserve the right to make technical changes as well as changes of availability. Pictures and other graphic illustrations are approximations only. All product names may be trademarks or brand names of the RAFI Group or any other sub-supplier of RAFI. The use of such by any third parties for their own purposes may infringe the rights of the respective entity holding those rights.

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## direct links

> RAFI eCatalog

RAFI GmbH & Co. KG



#### > mechanical data

Actuation function latching
Resistance to force on the side 300 N
Contact function 2 NC
Contact material Gold

Resetting by rotating
Fixing Threaded ring

Threaded ring torque, max. 1.2 Nm

Terminal on the rear M12 4-pin A-coded

PIN 1 Normally closed contact 1
PIN 2 Normally closed contact 1
PIN 3 Normally closed contact 2
PIN 4 Normally closed contact 2

> electrical data

Rated insulation voltage 250 V
Rated surge voltage 2,500 V
Rated operating voltage 35 V (AC-15)
35 V (DC-13)

Rated voltage, min. 1 V
Rated voltage, max. 35 V
Voltage type DC
Rated operating current 0.1 A
Rated current, min. 0.001 A
Rated current, max. 0.1 A

Overvoltage category 2

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

0.001 W

device

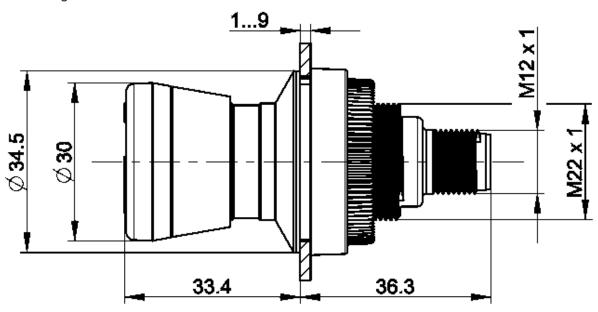
Power loss

Conditional short circuit current 1,000 A

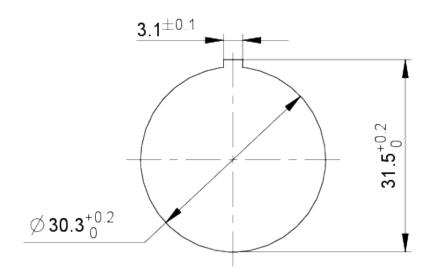


## drawings

## **Dimensioned drawing**

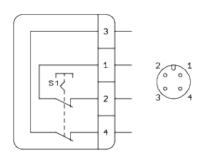


## Mounting hole drawing





#### Schematic diagram



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