

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

#### NEW



#### 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
- 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
- > Can be illuminated in many colors
- > Redundant version with 2 NO contacts







## 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.

## technical data

#### > general

illuminated Yes
Color black

Bezel color stainless steel

Collar color black

Front ring color stainless steel

Ring lighting color red

Collar shape round

Operating temperature, min. -25 °C

Operating temperature, max. 70 °C

direct links

> RAFI eCatalog

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RAFI GmbH & Co. KG

## 1.11.011.801/0300



Storage temperature, min. -40 °C
Storage temperature, max. 85 °C
Luminous elements LED
Packaging Box
Packaging unit 10 pcs.
standard delivery time 3 weeks

Environment resistance IEC 60068-2-14

IEC 60068-2-30 IEC 60068-2-78 500,000 Cycles

IEC 60068-2-11

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, according to DIN EN 60529 IP67
UL Enclosure Type Rating front type 4X

side

Salt-spray resistance according to

standard

RoHS compliant Yes
REACH compliant Yes

Potential free yes MOQ order 10

> mounting diameters

Mounting hole30.3 mmMounting depth36.4 mmInstallation height3.6 mmGrid, min.35 mmOutside dimension, width34.5 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

## 1.11.011.801/0300



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

Rated current, min. 0.00001 A
Rated current, max. 0.1 A
Rated power, max. 1 W

Kind of short circuit protective

device

fuse 250 V / 0,1 A / 1,5 kA gG quick

Rated operating voltage 35 V (AC-15) 35 V (DC-13)

Rated operating current 0.1 A

Pollution degree acc. to DIN EN

61010-1

Pollution degree 2

Overvoltage category 2

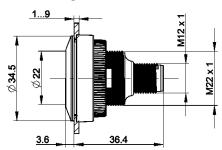
Conditional short circuit current 1,000 A

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## drawings

## **Dimensioned drawing**



## Mounting hole drawing

