

# RAMO 30 T M12, round collar, ring illumination, momentary contact function, frontring stainless steel, Color transparent, 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 bezels
- > 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 transparent
Collar shape round
Operating temperature, min. -25 °C
Operating temperature, max. 70 °C

direct links

> RAFI eCatalog

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Storage temperature, min.

-40 °C

Storage temperature, max.

85 °C

Luminous elements

LED

Packaging

Box

Packaging unit

10 pcs.

net weight

26.2 g

standard delivery time

3 weeks

Environment resistance IEC 60068-2-14

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

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

IEC 60068-2-11

standard

RoHS compliant Yes
REACH compliant Yes
Potential free yes
MOQ order 10

## > mounting diameters

Mounting hole 30.3 mm

Mounting depth 36.4 mm

Installation height 3.6 mm

Grid, min. 35 mm

Outside dimension, width 34.5 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

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

device

Rated operating voltage 35 V (AC-15)

35 V (DC-13)

Pollution degree 2

Rated operating current 0.1 A

Pollution degree acc. to DIN EN

61010-1

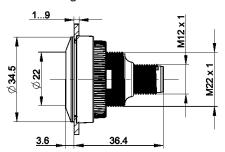
Overvoltage category 2

Conditional short circuit current 1,000 A

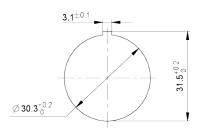


# drawings

## **Dimensioned drawing**



## Mounting hole drawing



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