

# RAMO 30 I, M12, round collar, lamp white, bezel white, M12 4-pin A-coded



#### fields of application

- > Measurement-control-regulation
- > Electrical engineering
- > Mechanical and system engineering
- > Vehicle construction
- > Chemical industry
- > Industrial robots

#### special features

- > Energy-efficient and bright LED signal lamp
- > 180° field of vision
- Single-piece mono-housing
- Unique series with easy Plug&Play connection
- > Completely tailored design fits the RAFIX range of control components
- > Installation size: 30.3 mm
- > Available in a large range of colors



## description

RAMO I signal lamps extend the range with a bright, energy-efficient signal lamp. The concave bezel means the reflected beam angle and angle of vision are more than 180°. It also provides a different look to the RAMO T pushbuttons. The signal lamp is available in five colors. Just like all RAMO actuators, connection is simple using Plug&Play and without any manual wiring – with M12 sensor cables.

With the RAMO I FLEXLAB signal lamps an individual configuration of the lens color and labeling is possible by the customer. This allows maximum flexibility. Lenses are additionally required as accessories.

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

Color black
Bezel color white

Property of bezel / mushroom translucent

Collar color black

Front ring color stainless steel

Luminous element color white Collar shape round -25 °C Operating temperature, min. Storage temperature, min. -40 °C Operating temperature, max. 70 °C Storage temperature, max. 85 °C illuminated Yes Luminous elements LED Packaging Box Packaging unit 10 pcs. net weight 22.4 g

> IP67 IP69

> **IP66**

Degree of protection, rear side, according to DIN EN 60529 IP67
UL Enclosure Type Rating front type 4X

side

Environment resistance IEC 60068-2-14

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

Pollution degree 2

Salt-spray resistance according to

Degree of protection, front side,

according to DIN EN 60529

standard

shock resistance 04 MOQ order 10 pcs.

Pollution degree acc. to DIN EN

61010-1

RoHS compliant Yes
REACH compliant Yes

> mounting diameters

Mounting hole 30.3 mm

Mounting depth 36.4 mm

Installation height 5.4 mm

Grid, min. 35 mm

Outside dimension, length 34.5 mm

Outside dimension, width 34.5 mm

Outside dimension, height 41.8 mm

mechanical data

Fixing Threaded ring

#### direct links

> RAFI eCatalog

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Threaded ring torque, max. 1.2 Nm

Terminal on the rear M12 4-pin A-coded

PIN 2 LED + GND

> electrical data

Rated insulation voltage 250 V Rated surge voltage 800 V

Rated operating voltage DC 20 - 28 V

Operating voltage of the luminous

element, min.

Operating voltage of the luminous 28 V

element, max.

Voltage type DC
Rated operating current 0.01 A
Rated operating voltage 20-28 V
Operating current of the luminous 8 mA

element, min.

Operating current of the luminous 12 mA

element, max.

Power loss 0.7 W
Overvoltage category 2

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

20 V

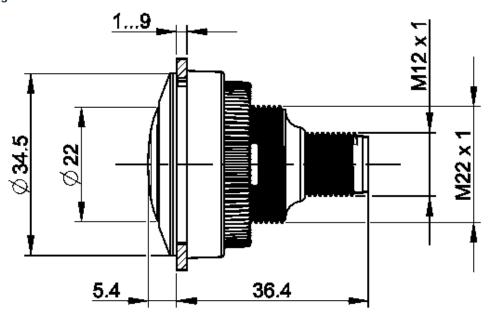
device

Conditional short circuit current 1,000 A

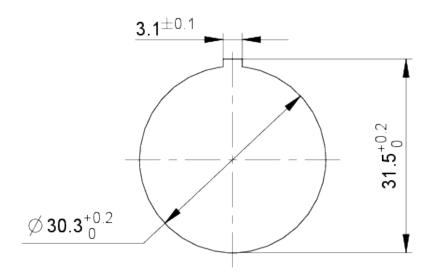


# drawings

#### **Dimensioned drawing**



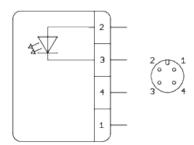
#### Mounting hole drawing



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#### Schematic diagram



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