

# E-BOX M12, 2 illuminated pushbuttons FLEXLAB, frontring metallic silver, 2 NO



#### fields of application

- > Measurement-control-regulation
- > Mechanical and system engineering
- > Construction machinery
- > Industrial robots
- > Model construction
- > Home technology

### special features

- > Compact dimensions: 109 x 40 x 27 mm
- Various actuator-indicator combinations from the RAFIX 22 FS+ control unit series
- > With yellow upper part of housing for combinations with emergency stop actuator
- > With gray upper part of housing for pushbutton combinations
- Mounting with time-saving single-hole screw mounting technology, particularly suitable for aluminum profile rails or alternatively direct mounting with M4 screws
- > Connection with M12 plug: "Plug and Play



## description

The E-Box M12 is a ready-to-connect, completely equipped housing including actuator and switching elements. Thus, for example, emergency stop, on/off and up/down functions, also with additional status displays, can be implemented with the very compact dimensions of the E-Box. The assembly: Screw on the clip, put on the box, connect the plug, check and ready. The E-Box M12 can be used wherever individual command device units are required at decentralized locations. Typically, for example, for emergency stop applications along a production facility or at the safety fence. The dimensions of the E-Box M12 are based on the edge dimensions of a 40 mm profile rail and the mounting concept is also designed for this.

## technical data

| > general | l |
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Actuator position 1 FLEXLAB illuminated pushbutton
Actuator position 2 FLEXLAB illuminated pushbutton

Color light gray
Collar color dark gray
Front ring color metallic silver

Luminous element color white Collar shape round Operating temperature, min. -25 °C 70 °C Operating temperature, max. -40 °C Storage temperature, min. Storage temperature, max. 80 °C illuminated Yes **LED** Luminous elements

direct links

> RAFI eCatalog

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Packaging Box
Packaging unit 1 pcs.
net weight 105.6 g

Operating life electrical 1.000.000 (10mA / 24V DC) cycles B10 electrical 1.300.000 (10mA / 24V DC) cycles

**IP65** 

Degree of protection, front side,

according to DIN EN 60529

Degree of protection, rear side, IP65

according to DIN EN 60529

Protection class II
MOQ order 5 pcs.
RoHS compliant Yes
REACH compliant Yes

> mounting diameters

Outside dimension, length 123.2 mm
Outside dimension, width 40 mm
Outside dimension, height 35.6 mm

> mechanical data

Contact function 2 NO Contact material Gold

Fixing Assembly clip

Terminal on the rear M12 8-pin A-coded

PIN 1 Normally open contact 1
PIN 2 Normally open contact 1
PIN 3 Normally open contact 2
PIN 4 Normally open contact 2

PIN 6 GND
PIN 5 LED +
PIN 7 LED +
PIN 8 GND

> electrical data

Operating voltage of the luminous 24 V

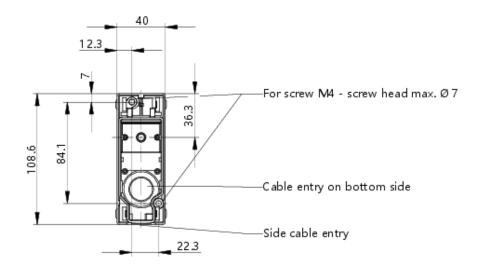
element, max.

Rated voltage, min. 5 V Rated voltage, max. 35 V Voltage type AC / DC Rated operating voltage 5-35 V Rated current, min. 0.001 A Rated current, max. 0.1 A Rated power, max. 0.25 W 0.30030 W Power loss

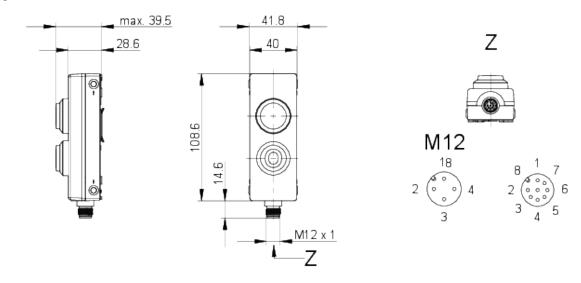


# drawings

## **Dimensioned drawing**



## System drawing





#### Schematic diagram

