

# E-BOX M12, emergency stop, illuminated pushbutton, 2 NC + 1 NO, Gold, M12 8-pin A-coded, reset by rotating, Mushroom head red, bezel FLEXLAB, illuminable



#### 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
- > 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
- > 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

>	genera	I
---	--------	---

Actuator position 1 Emergency stop

Color vellow

Color of mushroom red

Bezel color **FLEXLAB** Property of bezel / mushroom translucent

Collar color dark gray

Front ring color metallic silver

Luminous element color white

Collar shape round

-25 °C Operating temperature, min.

70 °C Operating temperature, max. -40 °C Storage temperature, min.

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. date: Aug 31, 2024 page: 1/4

direct links

> RAFI eCatalog

RAFI GmbH & Co. KG



80 °C Storage temperature, max. illuminated Yes Luminous elements **LED** Packaging Box Packaging unit 1 pcs. net weight 116 g

Operating life 50,000 cycles B10 65,000 cycles B<sub>10</sub>d 130,000 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 Ш 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 60.2 mm

> mechanical data

Contact function 2 NC + 1 NO

Contact material Gold

Resetting by rotating Assembly clip Fixing Terminal on the rear M12 8-pin A-coded

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

PIN 6 **GND** PIN 5 LED +

PIN 7 Normally closed contact 2 PIN 8 Normally closed contact 2

> 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 Power loss 0.15045 W

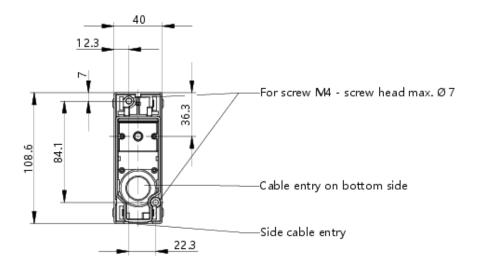
The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products 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

www.rafi-group.com info.headquarters@rafi-group.com

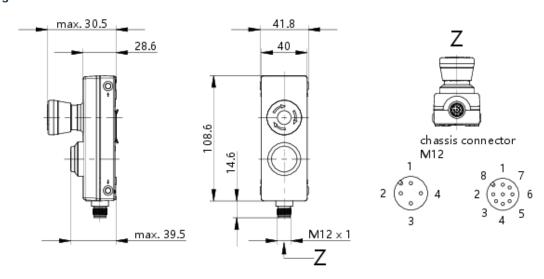


## drawings

### **Dimensioned drawing**



### System drawing





#### Schematic diagram

