

# E-BOX M12, Emergency stop, signal indicator, 1 NC, Gold, Mushroom head red



## 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

|                             |                |
|-----------------------------|----------------|
| Actuator position 1         | Emergency stop |
| Actuator position 2         | Leuchtvorsatz  |
| Color of mushroom           | red            |
| Collar shape                | round          |
| Operating temperature, min. | -25 °C         |
| Operating temperature, max. | 70 °C          |
| Storage temperature, min.   | -40 °C         |
| Storage temperature, max.   | 80 °C          |
| Packaging                   | Box            |
| Packaging unit              | 1 pcs.         |
| net weight                  | 124.2 g        |
| Operating life              | 50,000 cycles  |
| B10                         | 65,000 cycles  |

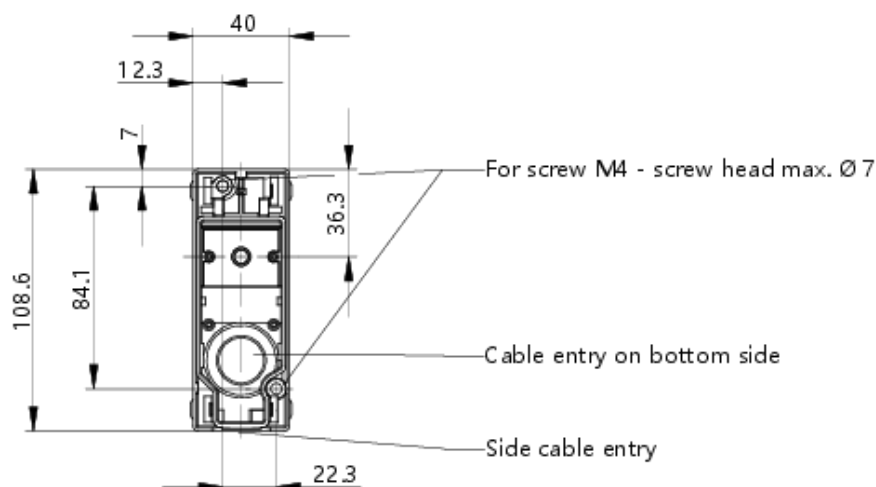
### direct links

- [RAFI eCatalog](#)

|                                                                |                           |
|----------------------------------------------------------------|---------------------------|
| B10d                                                           | 130,000 cycles            |
| Degree of protection, front side,<br>according to DIN EN 60529 | IP65                      |
| Degree of protection, rear side,<br>according to DIN EN 60529  | IP65                      |
| Protection class                                               | II                        |
| MOQ order                                                      | 10 pcs.                   |
| RoHS compliant                                                 | Yes                       |
| REACH compliant                                                | Yes                       |
| > <b>mounting diameters</b>                                    |                           |
| Outside dimension, length                                      | 123.2 mm                  |
| Outside dimension, width                                       | 40 mm                     |
| Outside dimension, height                                      | 60.2 mm                   |
| > <b>mechanical data</b>                                       |                           |
| Contact function                                               | 1 NC                      |
| Contact material                                               | Gold                      |
| Fixing                                                         | Assembly clip             |
| PIN 1                                                          | LED +                     |
| PIN 2                                                          | GND                       |
| PIN 3                                                          | Normally closed contact 1 |
| PIN 4                                                          | Normally closed contact 1 |
| > <b>electrical data</b>                                       |                           |
| Operating voltage of the luminous<br>element, max.             | 24 V                      |
| 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                                                     | 0.15 W                    |

## drawings

### Dimensioned drawing



### Schematic diagram

