

# E-BOX M12, 1 illuminated pushbutton FLEXLAB, M12 4-pin A-coded, light gray



## 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                                         | FLEXLAB illuminated pushbutton   |
| Color                                                       | light gray                       |
| Collar color                                                | dark gray                        |
| Front ring color                                            | metallic silver                  |
| Luminous element color                                      | white                            |
| Operating temperature, min.                                 | -25 °C                           |
| Operating temperature, max.                                 | 70 °C                            |
| Storage temperature, min.                                   | -40 °C                           |
| Storage temperature, max.                                   | 80 °C                            |
| illuminated                                                 | Yes                              |
| Luminous elements                                           | LED                              |
| Packaging                                                   | Box                              |
| Packaging unit                                              | 1 pcs.                           |
| Net weight                                                  | 96.9 g                           |
| Operating life electrical                                   | 1.000.000 (10mA / 24V DC) cycles |
| B10 electrical                                              | 1.300.000 (10mA / 24V DC) cycles |
| Degree of protection, front side, according to DIN EN 60529 | IP65                             |
| Degree of protection, rear side, according to DIN EN 60529  | IP65                             |
| Protection class                                            | II                               |
| Minimum order quantity (MOQ)                                | 5 pcs.                           |
| RoHS compliant                                              | Yes                              |
| REACH compliant                                             | Yes                              |
| Country of origin                                           | HU                               |

### > mounting diameters

|                           |          |
|---------------------------|----------|
| Outside dimension, length | 123.2 mm |
| Outside dimension, width  | 40 mm    |

### direct links

> [RAFI eCatalog](#)

|                           |         |
|---------------------------|---------|
| Outside dimension, height | 35.6 mm |
|---------------------------|---------|

**> mechanical data**

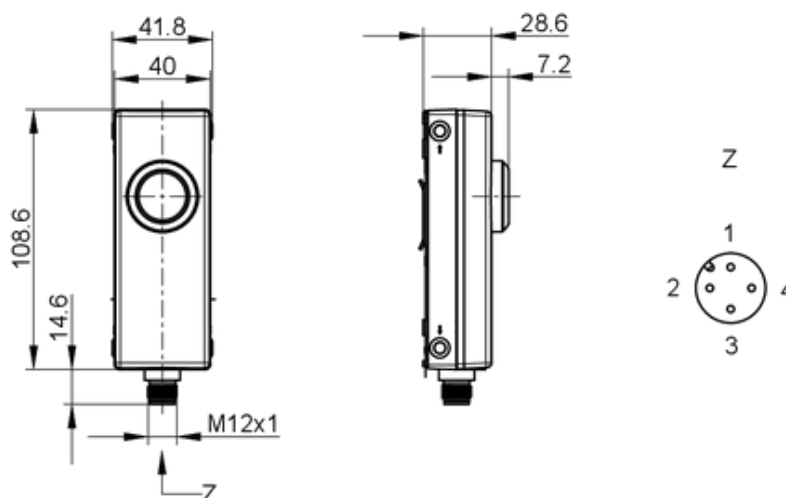
|                      |                         |
|----------------------|-------------------------|
| Terminal on the rear | M12 4-pin A-coded       |
| Fixing               | Assembly clip           |
| Contact function     | 1 NO                    |
| Contact material     | Gold                    |
| PIN 1                | LED +                   |
| PIN 2                | GND                     |
| PIN 3                | Normally open contact 1 |
| PIN 4                | Normally open contact 1 |

**> electrical data**

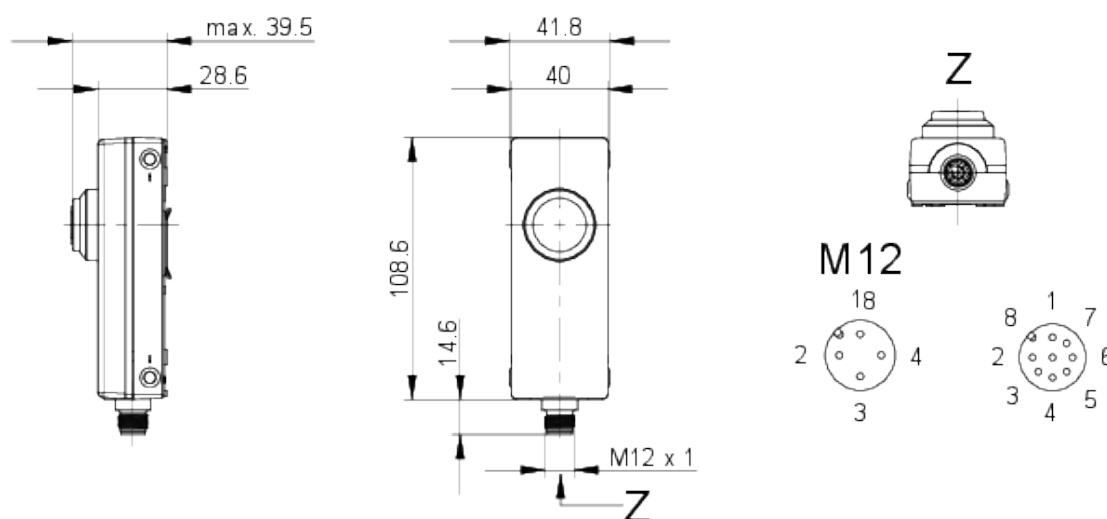
|                                                 |           |
|-------------------------------------------------|-----------|
| Operating voltage of the luminous element, max. | 24 V      |
| Rated voltage, min.                             | 5 V       |
| Rated voltage, max.                             | 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                                      | 0.15015 W |

## drawings

### Dimensioned drawing



### System drawing



**Schematic diagram**