

E-BOX M12, emergency stop, 2 NC + 1 signaling contact, Gold, M12 8-pin A-coded, reset by rotating, 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

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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 | direct links |
| Color | yellow | > RAFI eCatalog |
| Color of mushroom | red | |
| Operating temperature, min. | -25 °C | |
| Operating temperature, max. | 70 °C | |
| Storage temperature, min. | -40 °C | |
| Storage temperature, max. | 80 °C | |
| illuminated | No | |
| Packaging | Box | |
| Packaging unit | 1 pcs. | |
| net weight | 108 g | |
| Operating life | 50,000 cycles | |
| B10 | 65,000 cycles | |

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| | B10d | 130,000 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 |
| | 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 signaling contact |
| | Contact material | Gold |
| | Resetting | by rotating |
| | Fixing | Assembly clip |
| | Terminal on the rear | M12 8-pin A-coded |
| | PIN 3 | Normally open contact 1 |
| | PIN 4 | Normally open contact 1 |
| | PIN 6 | Normally closed contact 1 |
| | PIN 5 | Normally closed contact 1 |
| | PIN 7 | Normally closed contact 2 |
| | PIN 8 | Normally closed contact 2 |
| > | electrical data | |
| | 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 | 0.00030 W |

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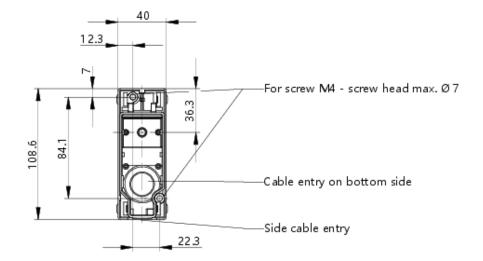
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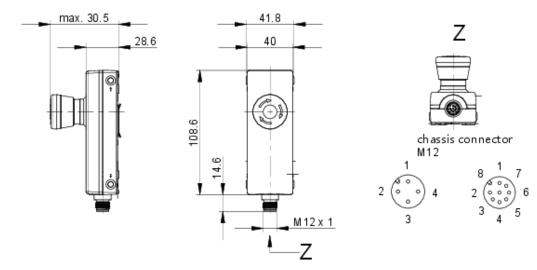


drawings

Dimensioned drawing



System drawing



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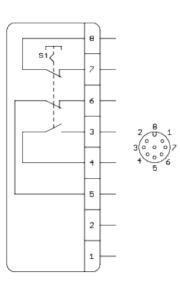
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Schematic diagram



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