E-BOX M12, 2 pushbuttons, frontring metallic silver, 1 NC + 1 NO, bezel red / green, label I / O



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

Legending	I / O
Actuator position 1	Pushbuttons
Actuator position 2	Pushbuttons
Color	light gray
Legending color	white
Bezel color	red / green
Property of bezel / mushroom	opaque
Collar color	dark gray
Front ring color	metallic silver
Collar shape	round
Operating temperature, min.	-25 °C
Operating temperature, max.	70 °C
Storage temperature, min.	-40 °C

direct links

- RAFI eCatalog

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Storage temperature, max.	80 °C
illuminated	No
Packaging	Box
Packaging unit	1 pcs.
net weight	105 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
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	39.3 mm

mechanical data

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

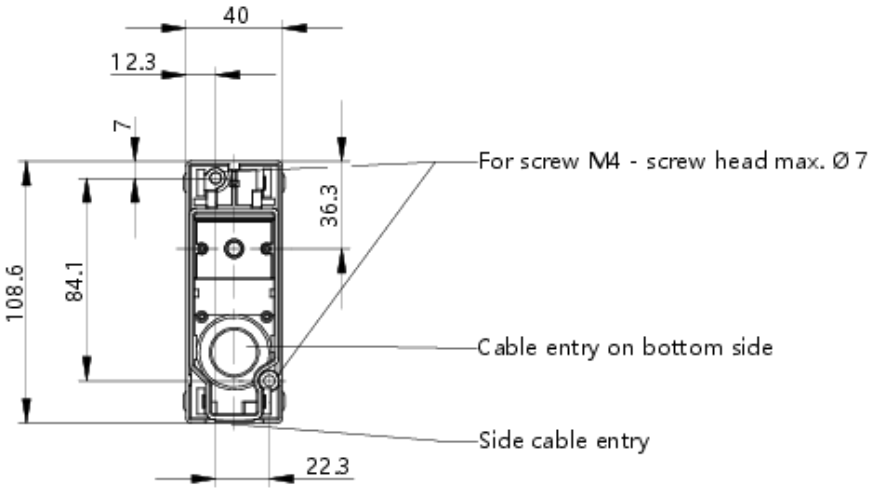
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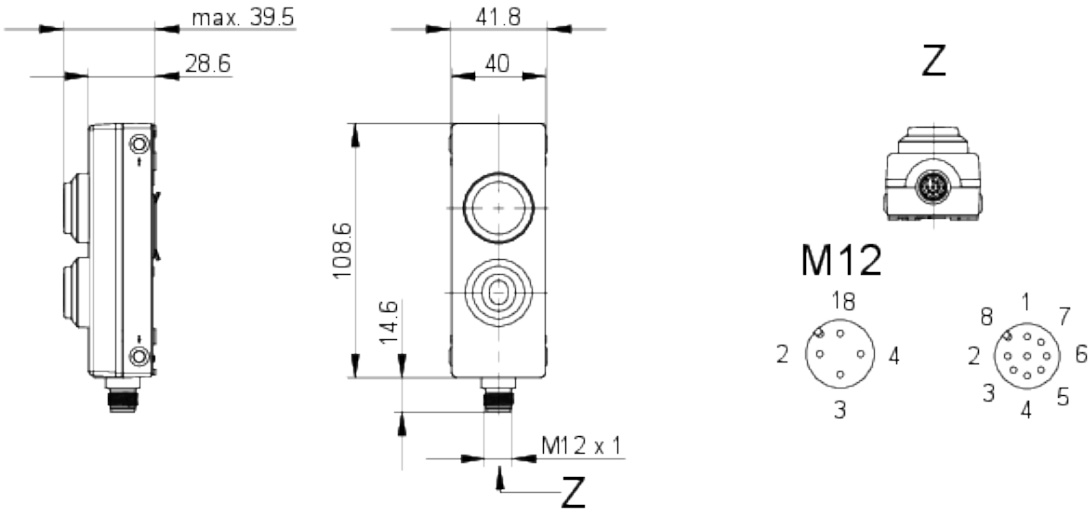
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drawings

Dimensioned drawing



System drawing

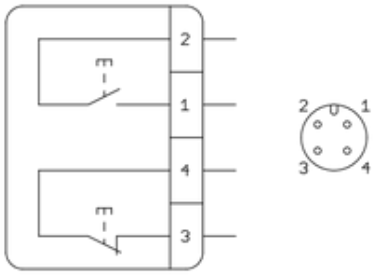


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Schematic diagram



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