

E-BOX M12, 2 illuminated 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	Illuminated pushbutton
Actuator position 2	Illuminated pushbutton
Color	light gray
Bezel color	red / green
Property of bezel / mushroom	opaque
Collar color	dark gray
Front ring color	metallic silver
Luminous element color	red / green
Collar shape	round
Operating temperature, min.	-25 °C
Storage temperature, min.	-40 °C

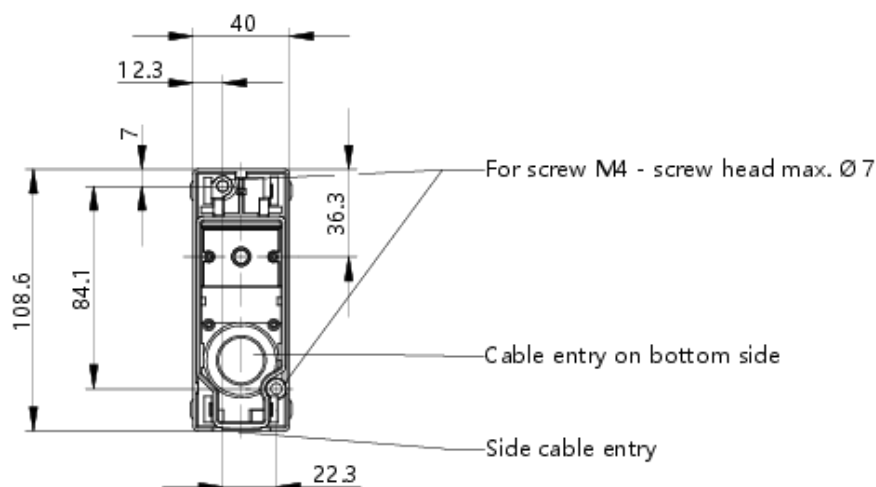
direct links

- [RAFI eCatalog](#)

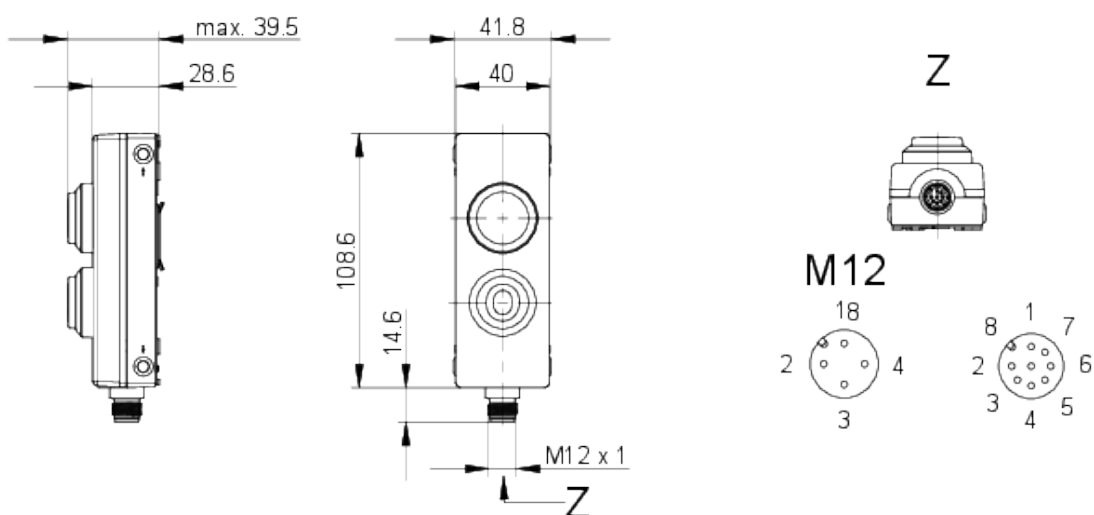
Operating temperature, max.	70 °C
Storage temperature, max.	80 °C
illuminated	Yes
Luminous elements	LED
Packaging	Box
Packaging unit	1 pcs.
net weight	105.0 g
Operating life electrical	1.000.000 (10mA / 24V DC) cycles
B10 electrical	1.300.000 (10mA / 24V DC) cycles
Degree of protection, front side, according to DIN EN 60529	IP65
Degree of protection, rear side, according to DIN EN 60529	IP65
Protection class	II
MOQ order	10 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 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	LED +
PIN 8	GND
> 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	0.3 W

drawings

Dimensioned drawing



System drawing



Schematic diagram