

# E-BOX M12, 1 illuminated pushbutton FLEXLAB, frontring metallic silver, 1 NO



# 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	FLEXLAB illuminated pushbutton	direct links
Color	light gray	> RAFI eCatalog
Collar color	dark gray	
Front ring color	metallic silver	
Luminous element color	white	
Collar shape	round	
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	

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	Declaration with	1
	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
	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	35.6 mm
>	mechanical data	
	Contact function	1 NO
	Contact material	Gold
	Fixing	Assembly clip
	Terminal on the rear	M12 4-pin A-coded
	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	24 V
	element, max.	
	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

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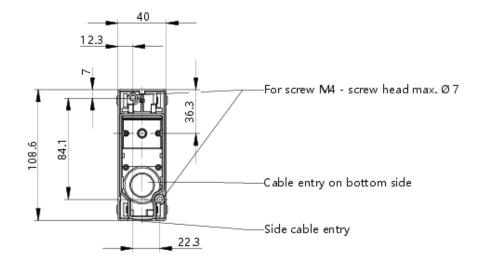
## technical data sheet



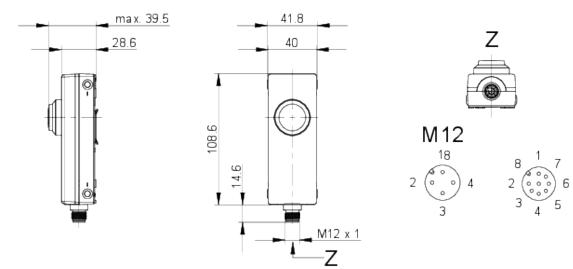


# drawings

# **Dimensioned drawing**



# System drawing



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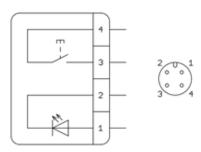
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Schematic diagram



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