

E-BOX XL IO-LINK, 6 installation points, with e-stop, with IO

NEW



Description

IO-LINK products make it easy to get started and can be quickly integrated into existing environments thanks to the use of standardized M12 connectors. Easily connected and individually parameterized, the E-BOX offers a housing concept with up to 6 installation points.

Mounting

- Use a flat mounting surface for installation.
- Fix the device to the mounting surface with two mounting screws with a diameter of max. 5.3 mm and a head diameter of max. 9.5 mm.

Parameterization

- Flexible color selection: 5 standard colors plus 3 freely selectable RGB colors
- Night mode with different brightness levels and various flashing modes
- Can be diagnosed via the control unit: temperature and monitoring of switching cycles
- Buzzer with various sound modes



technical data

> general

Feature	with e-stop with IO
Actuator position 1	FLEXLAB illuminated pushbutton
Actuator position 2	FLEXLAB illuminated pushbutton
Actuator position 3	FLEXLAB illuminated pushbutton
Actuator position 4	FLEXLAB illuminated pushbutton
Actuator position 5	FLEXLAB illuminated pushbutton
Actuator position 6	Emergency stop
Installation points	6 pcs.
Color	light gray
Luminous element color	RGB
Operating temperature, min.	-30 °C
Operating temperature, max.	60 °C
Storage temperature, min.	-40 °C
Storage temperature, max.	80 °C
illuminated	Yes
Luminous elements	LED
Packaging	Box
Packaging unit	1 pcs.

direct links

- [RAFI eCatalog](#)

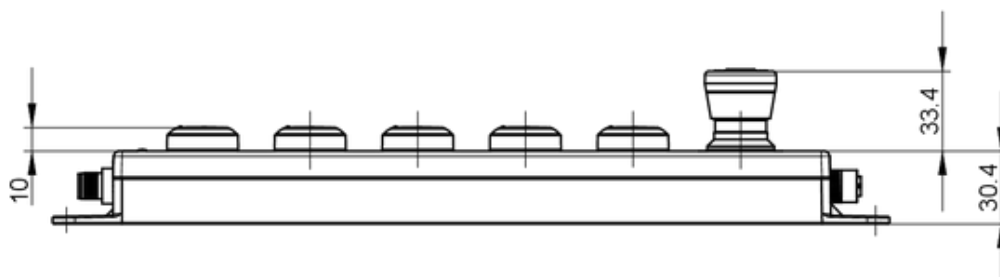
Degree of protection, front side, according to DIN EN 60529	IP65
Degree of protection, rear side, according to DIN EN 60529	IP65
Environment resistance	IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-78
Shock resistance according to standard IEC 60068-2-27	50 g at 11 ms amplitude semi-sinusoidal
Vibration resistance according to standard IEC 60068-2-6	5 g at 10 - 500 Hz
Salt-spray resistance according to standard	IEC 60068-2-11
Impact resistance IK	07
Protection class	II
Minimum order quantity (MOQ)	1 pcs.
IO-Link version	Interface and System Specification 1.1.4
communication mode IO-Link	COM2 / 38.4 kBaud
cycle time	6.2 ms
Firmware Update	Yes over IO-Link Master
Pollution degree acc. to DIN EN 61010-1	Pollution degree 2
RoHS compliant	Yes
REACH compliant	Yes
> mounting diameters	
Outside dimension, length	350 mm
Outside dimension, width	40.5 mm
Outside dimension, height	63.8 mm
> mechanical data	
Fixing	Screw
Tightening torque for screw mounting	2 Nm
Front side terminal	IO M12 4-pin A-coded
Terminal on the rear	M12 4-pin A-coded
> electrical data	
Operating voltage, min.	19.2 V
Operating voltage, max.	28.8 V
Voltage type	DC
Rated operating voltage	24 V
Operating current, max.	1,000 mA

Use according to UL:

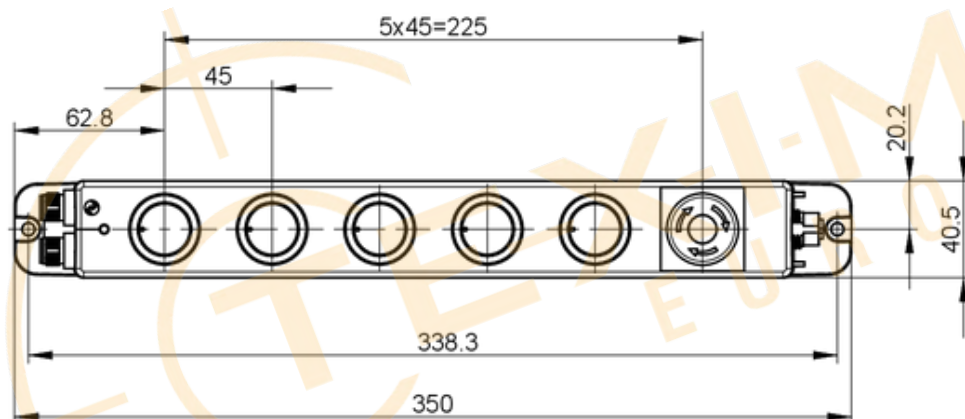
For connecting the device use UL certificated cables of category CYJV or PVVA.

drawings

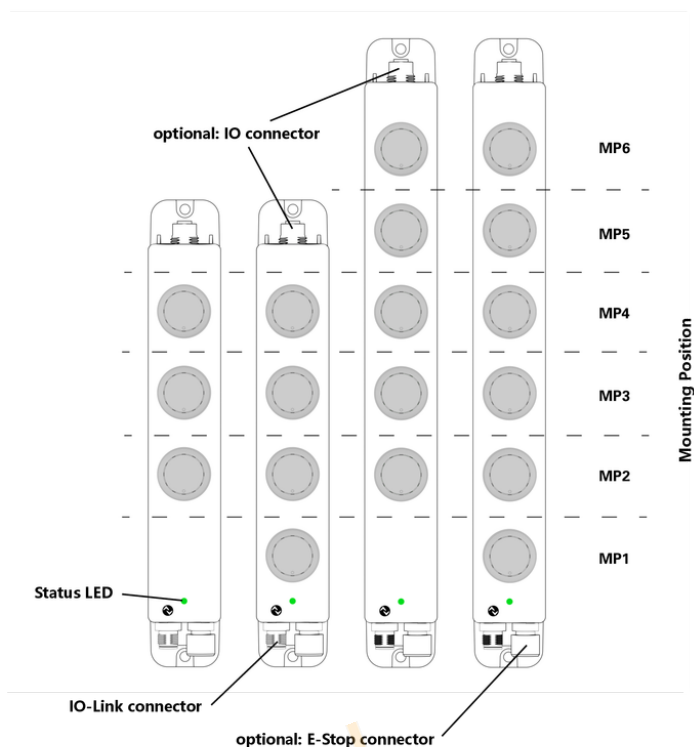
Dimensioned drawing



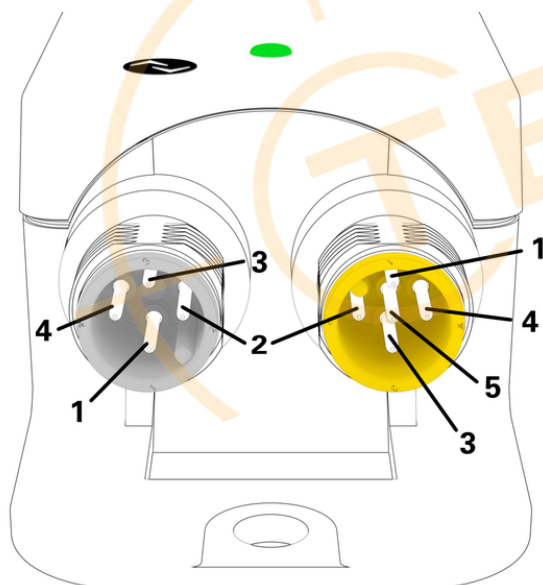
Dimensioned drawing



System drawing



Connection drawing



IO-Link connector

M12, 4-pole, a-coded

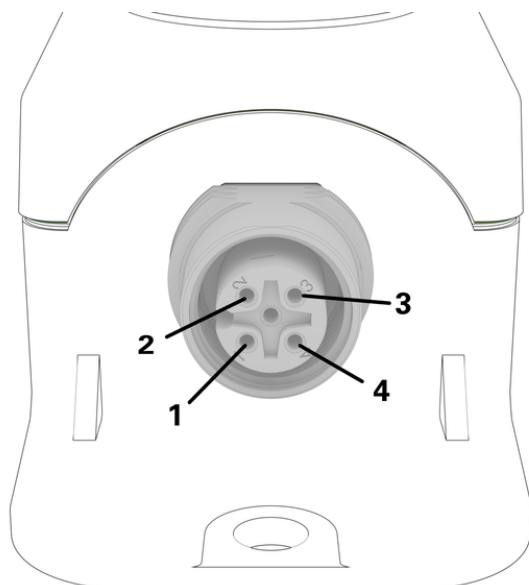
PIN 1: L+ (+24 VCC)
PIN 2: n.c.
PIN 3: L- (GND)
PIN 4: C/Q (IO-Link data)

E-Stop connector

M12, 5-pole, a-coded

PIN 1: NC - contact 1
PIN 2: NC - contact 2
PIN 3: n.c.
PIN 4: NC - contact 1
PIN 5: NC - contact 2

Connection drawing



IO connector

M12, 4-pole, a-coded, for digital IO functionality

PIN 1: IO #1

PIN 2: IO #2

PIN 3: IO #3

PIN 4: IO #4



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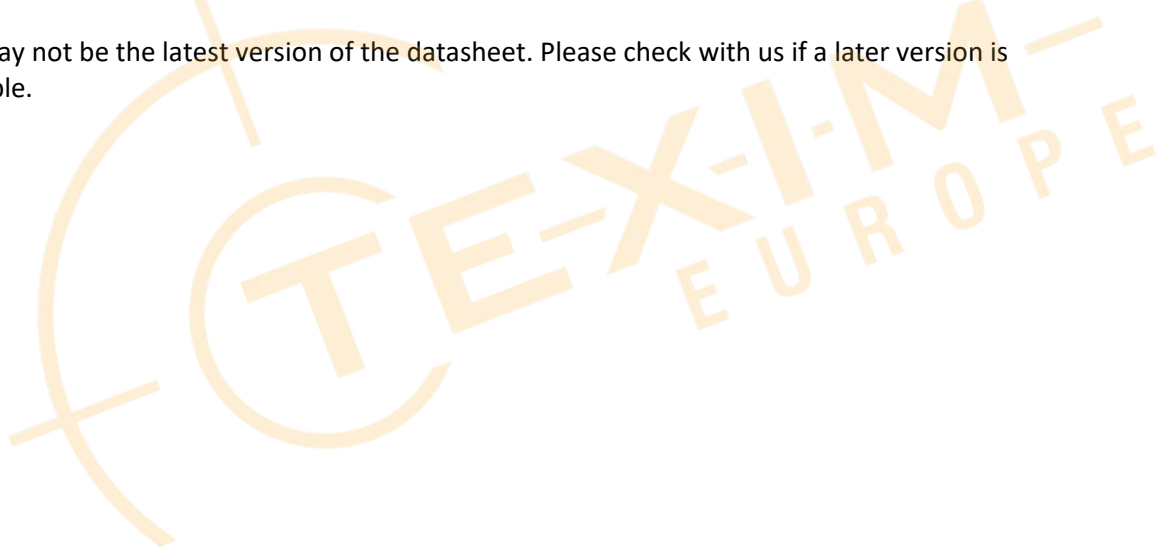
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Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





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