

E-BOX XL IO-LINK, 5 installation points, 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 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
Installation points	5 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.
Degree of protection, front side, according to DIN EN 60529	IP65

direct links

- RAFI eCatalog

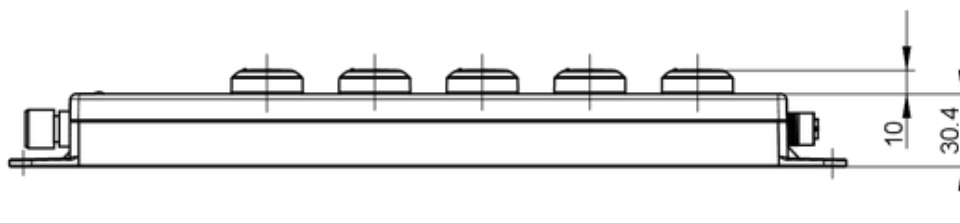
Degree of protection, rear side, according to DIN EN 60529	IP65
Environment resistance	IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-78
Shock resistance according to standard IEC 60068-2-27	50 g at 11 ms amplitude semi-sinusoidal
Vibration resistance according to standard IEC 60068-2-6	5 g at 10 - 500 Hz
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	40.4 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.	1,010 mA

Use according to UL:

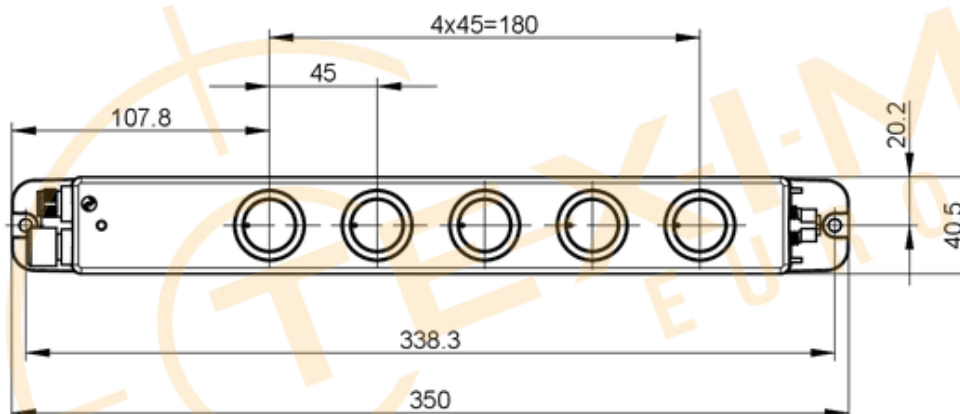
For connecting the device use UL certificated cables of category CYJV or PVVA.

drawings

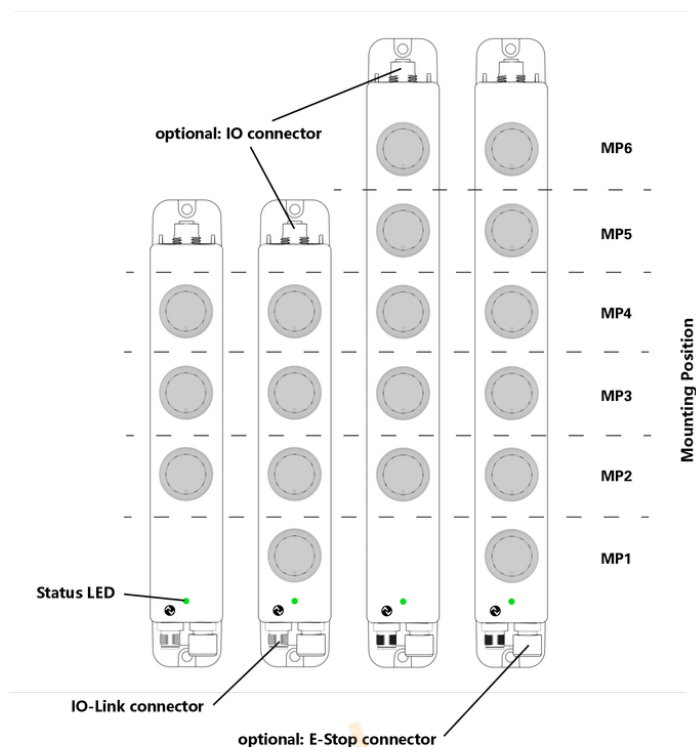
Dimensioned drawing



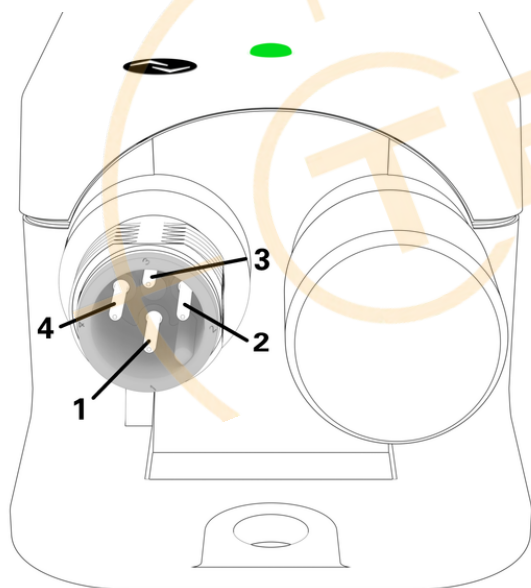
Dimensioned drawing



System drawing



Connection drawing



IO-Link connector

M12, 4-pole, a-coded

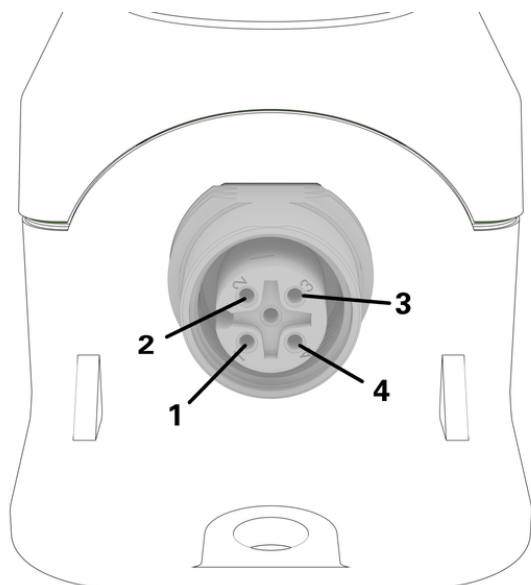
PIN 1: L+ (+24 VCC)

PIN 2: n.c.

PIN 3: L- (GND)

PIN 4: C/Q (IO-Link data)

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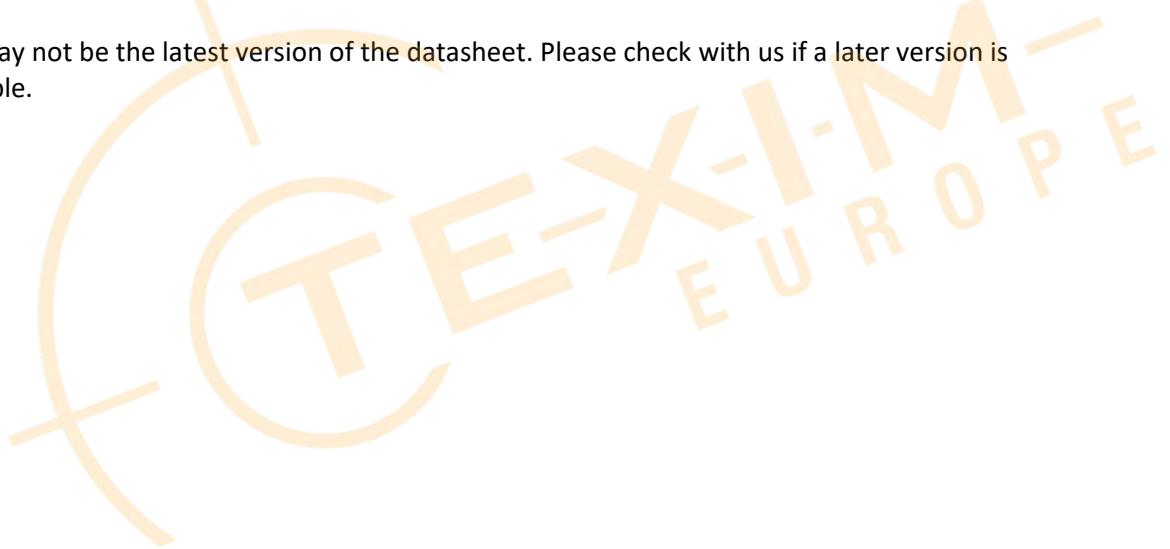
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All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

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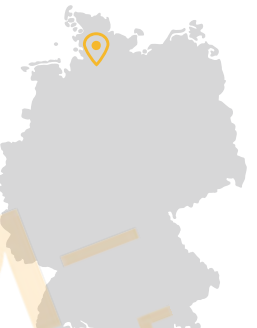
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