

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

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

direct links

- RAFI eCatalog

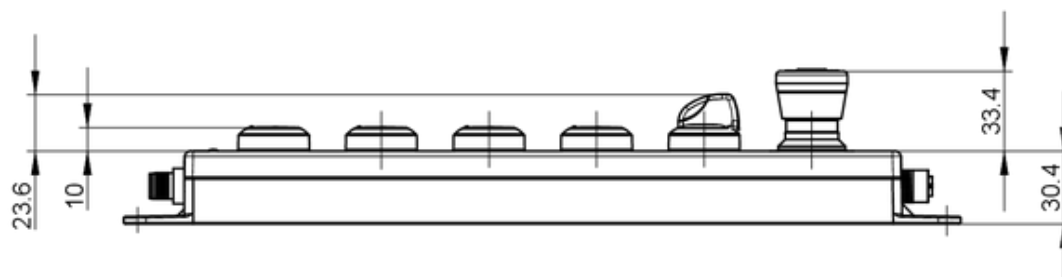
Degree of protection, front side, according to DIN EN 60529	IP65
Degree of protection, rear side, according to DIN EN 60529	IP65
Environment resistance	IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-78
Shock resistance according to standard IEC 60068-2-27	50 g at 11 ms amplitude semi-sinusoidal
Vibration 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.	1,020 mA

Use according to UL:

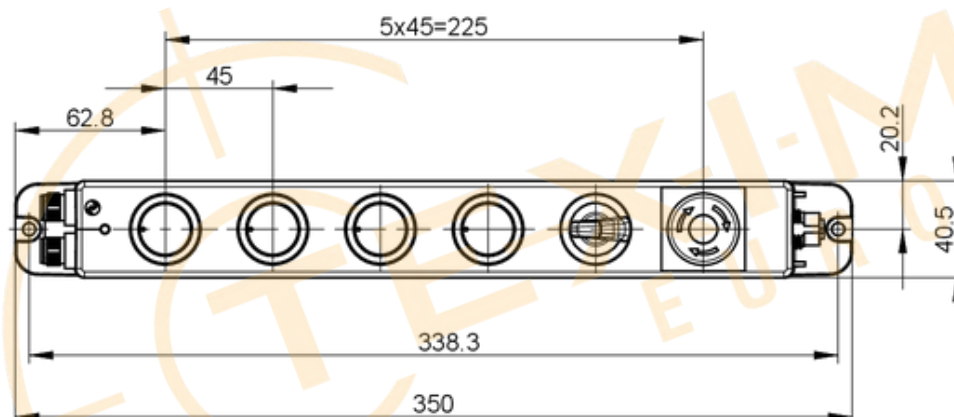
For connecting the device use UL certificated cables of category CYJV or PVVA.

drawings

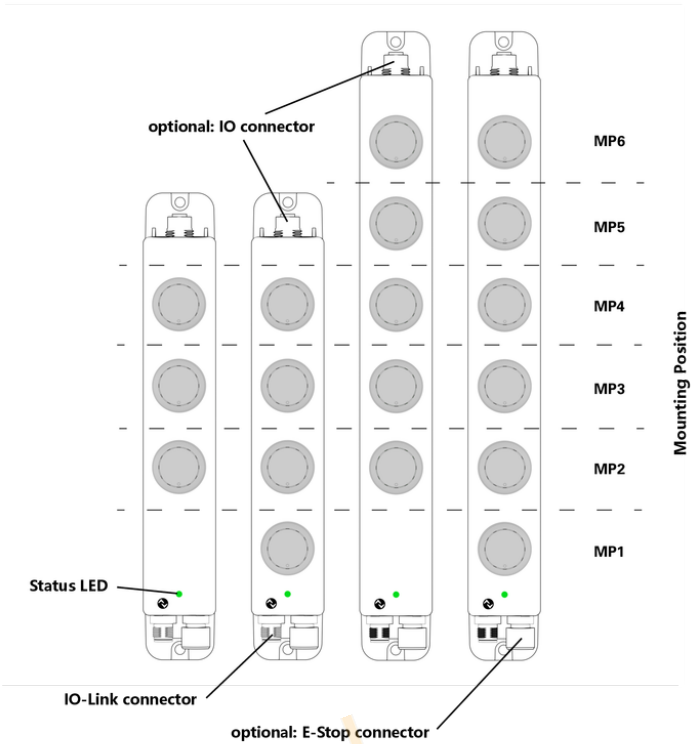
Dimensioned drawing



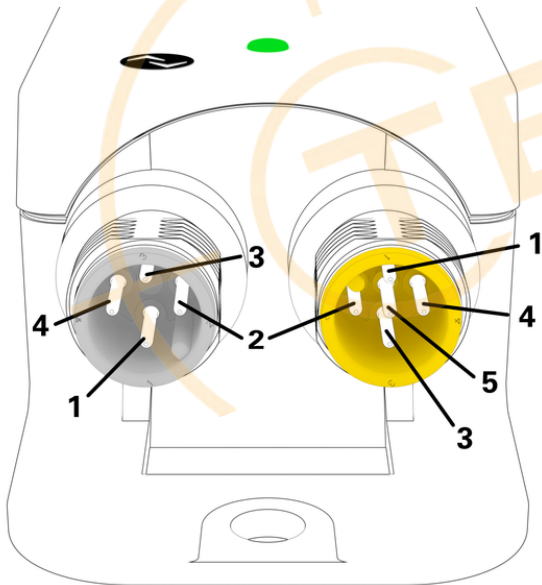
Dimensioned drawing



System drawing



Connection drawing



IO-Link connector

M12, 4-pole, a-coded

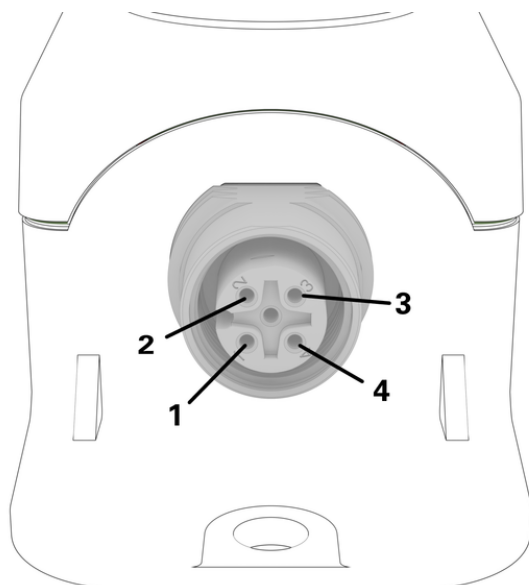
- PIN 1: L+ (+24 VCC)
- PIN 2: n.c.
- PIN 3: L- (GND)
- PIN 4: C/Q (IO-Link data)

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



Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Texim Europe B.V. its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Texim"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Texim makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product.

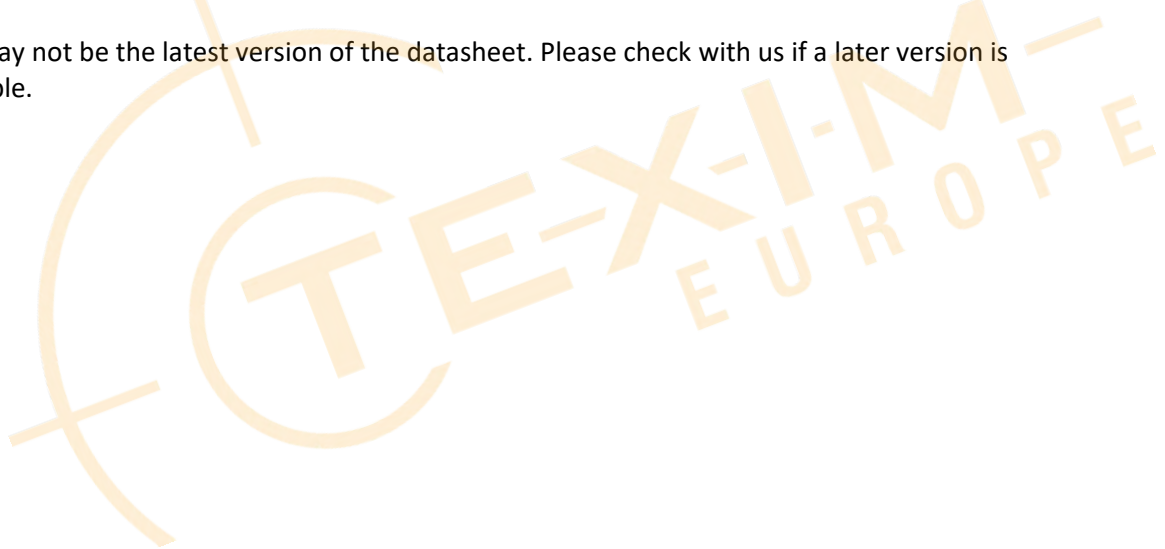
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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.





Headquarters & Warehouse

Elektrostraat 17
NL-7483 PG Haaksbergen
The Netherlands

T: +31 (0)53 573 33 33
E: info@texim-europe.com
Homepage: www.texim-europe.com



The Netherlands

Elektrostraat 17
NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33
E: nl@texim-europe.com



Belgium

Zuiderlaan 14, box 10
B-1731 Zellik

T: +32 (0)2 462 01 00
E: belgium@texim-europe.com



UK & Ireland

St Mary's House, Church Lane
Carlton Le Moorland
Lincoln LN5 9HS

T: +44 (0)1522 789 555
E: uk@texim-europe.com



Germany

Bahnhofstrasse 92
D-25451 Quickborn

T: +49 (0)4106 627 07-0
E: germany@texim-europe.com



Germany

Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
E: muenchen@texim-europe.com



Austria

Warwitzstrasse 9
A-5020 Salzburg

T: +43 (0)662 216 026
E: austria@texim-europe.com



Nordic

Stockholmsgade 45
2100 Copenhagen

T: +45 88 20 26 30
E: nordic@texim-europe.com



Italy

Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
E: italy@texim-europe.com