

Datasheet

➔ **PXI4M2306-0001** [↗](#)

11/05/2024



Equipment

Pos.	Name	Type	Nameplate	Lens
4	FRVKOO	Emergency Stop		
3	SN	Indicator Light	BSRR181	T22RRGB
2	SSSA15	Key Switch 2Pos.		
1	ST	Push Button	BSRR1155	T22RRGN



Technical data

<i>IO-Link specification</i>	V1.1 (communication), V1.1.2 (interface and system)
<i>Class</i>	A
<i>Bit rate:</i>	COM 2 / 38.4 Kbps
<i>Data width</i>	3 byte in/out
<i>Min. cycle time</i>	5000 µs
<i>SIO mode</i>	no support
<i>Vendor ID</i>	0x0545
<i>IODD device description file</i>	Schlegel Website -> Support Centre -> Download area -> Software
<i>Voltage supply</i>	18 V ... 30 V DC, from IO-Link master
<i>Total power consumption</i>	≤ 200 mA
<i>Connection</i>	5-pole M12, A coded
<i>Operating temperature</i>	-25°C ... 60°C
<i>Storage temperature</i>	-40°C ... 80°C
<i>Approvals</i>	CE, UL

➔ PXA4Z - Housing

Series:	proboxx®
Material:	PA
Color bottom part:	Dark grey
Color top part:	Black
Shock resistance:	IK06
Torque mount:	0.7 ±0.1 Nm (for countersunk screws according to DIN 7991/ISO 10642)
Torque M12:	max. 0,4 Nm

➔ FRVKOO - Emergency stop button

Series:	SHORTRON®
Front bezel color:	yellow
Unlocking:	Rotary unlocking left/right
Mechanical life:	50,000 Switching cycles
Electrical life:	50,000 Switching cycles
Contact type:	2 NC
Conditional short-circuit Iq:	1000 A
Rated impulse withstand voltage Uimp:	2,5 kV
Short circuit means (recommendation):	Safety fuse 1A gG
Forced-opening contact:	according to EN60947-5-1, appendix K



➔ SN - Indicator lights

Series:	SHORTRON® Zwischenbau
Front bezel color:	silver
Illumination	LED 3mm, white



Accessories

BSRR181  T22RRGB 



➔ SSSA15 - Key button

Series: SHORTRON® Zwischenbau

Front bezel color: silver

Switching position:

- 0° Key removal
- 90° Key removal



➔ ST - Push button

Series: SHORTRON® Zwischenbau

Front bezel color: silver

Mechanical life: 1,000,000 Switching cycles

Illumination LED 3mm, white

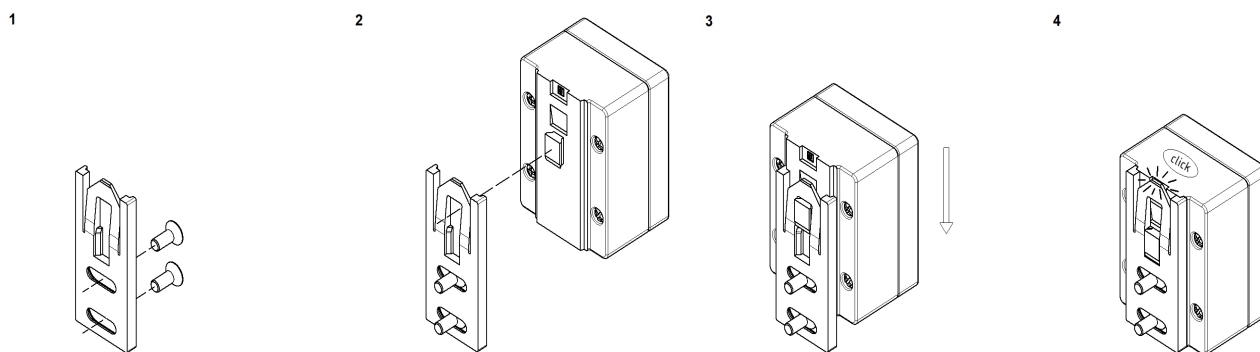


Accessories

BSRR1155  T22RRGN 

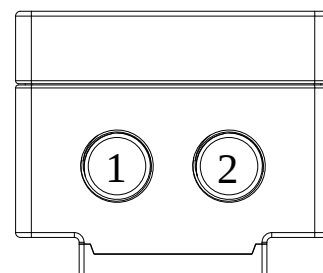
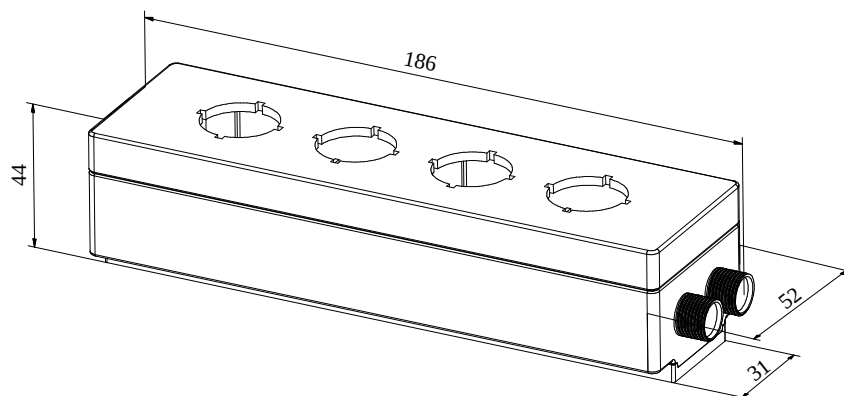


Mounting



The mounting bracket is part of the delivery, the fixing material (screw, slot nuts) is not included. Please use M5 countersunk screws acc. to DIN 7991/ISO 10642 of appropriate length. The tightening torque for the screws to fix the mounting bracket is $0.7 \pm 0.1\text{Nm}$.

Dimensional drawing



Connector 1 5-pole M12	Function
Pin 1	L+
Pin 2	DI/DQ
Pin 3	L-
Pin 4	C/Q
Pin 5	not used

Connector 2 5-pole M12	AIDA function	Expansion
Pin 1 - Brown	S-11 (NC 1)	N+1
Pin 2 - White	S-21 (NC 2)	B
Pin 3 - Blue	not used	GND
Pin 4 - Black	S-12 (NC 1)	A
Pin 5 - Grey	S-22 (NC 2)	V+

Input data image (IDI)		Output data image (ODI)	
Data bit	Function *	Data bit	Function *
I0	S1 – NO 1	Q0	S1 - LED / Color 1 **
I1	S1 – NO 2*	Q1	S2 - LED / Color 1 **
I2	S2 – NO 1	Q2	S3 - LED / Color 1 **
I3	S3 – NO 1*	Q3	S1 - LED / Color 2 **
I4	S2 – NO 2	Q4	S2 - LED / Color 2 **
I5	S3 – NO 2*	Q5	S3 - LED / Color 2 **
I6	-	Q6	External Output 1
I7	-	Q7	External Output 2

* In case of two contacts

** In case of illumination

Images

