

Datasheet

➔ **PXI4S2300-0001** 

10/06/2025



Equipment

Pos.	Name	Type	Nameplate	Lens
4	FRVKOO	Emergency-stop		
3	SSWT	Pushbutton	BSRRU	T22RRBL
2	SSWT	Pushbutton	BSRRU	T22RRGN
1	SSWT	Pushbutton	BSRRU	T22RRRT



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 -> Service -> 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
Release	twist release, left/right
Mechanical life	50,000 Switching cycles
Electrical life	50,000 Switching cycles
Contact type	2 NC
Conditional short-circuit I _q	1,000 A
Rated impulse withstand voltage U _{imp}	2.5 kV
Short circuit means (recommendation)	Safety fuse 1A gG
Positive opening contact	according to EN60947-5-1, appendix K



➔ SSWT - Push button

Series	SHORTRON® Zwischenbau
Front bezel color	schwarz
Mechanical life	1,000,000 Switching cycles
Illumination	LED 3mm, white



Accessories

BSRRU  T22RRBL 



→ SSWT - Push button

Series SHORTRON® Zwischenbau

Front bezel color schwarz

Mechanical life 1,000,000 Switching cycles

Illumination LED 3mm, white



Accessories

BSRRU  T22RRGN 

→ SSWT - Push button

Series SHORTRON® Zwischenbau

Front bezel color schwarz

Mechanical life 1,000,000 Switching cycles

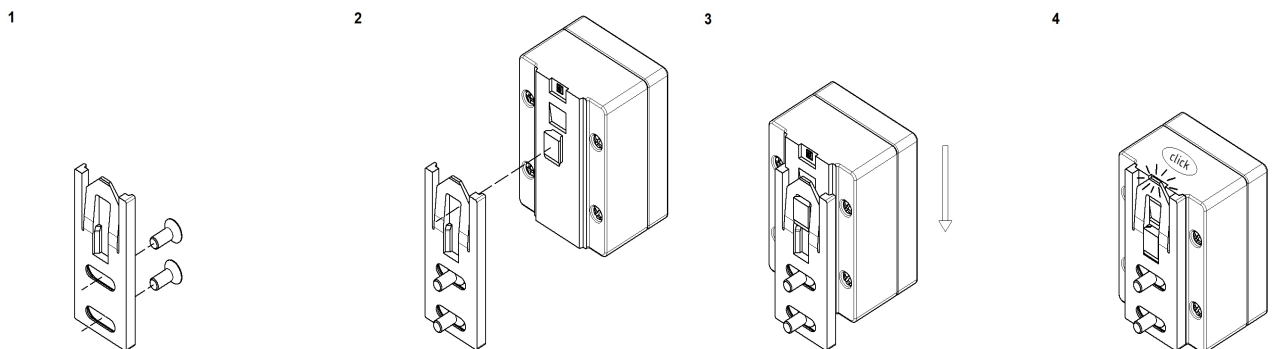
Illumination LED 3mm, white



Accessories

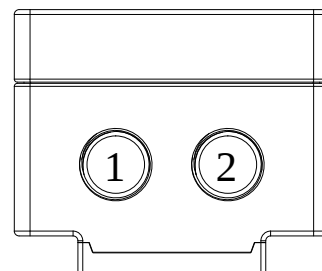
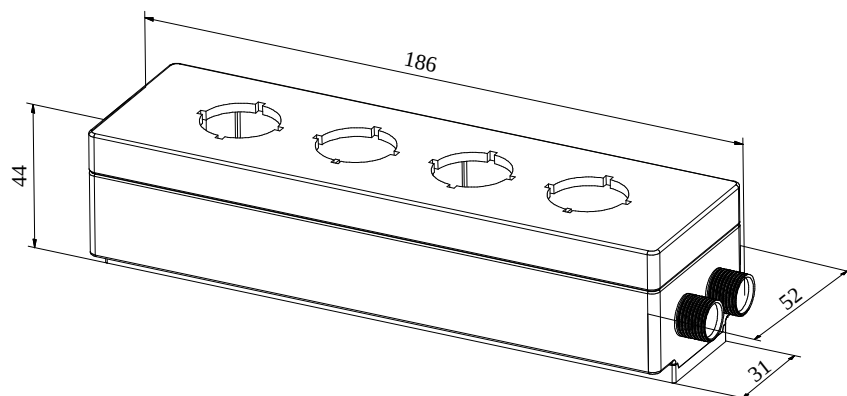
BSRRU  T22RRRT 

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



Labeling

Position	Alignment	Left	Center	Right
4	horizontal	-	EMERGENCY	-
3	horizontal	-	RESET	-
2	horizontal	-	SYSTEM ON	-
1	horizontal	-	SYSTEM OFF	-