

Datasheet

➔ **PXM4M2308-0000** [↗](#)

08/22/2024



Equipment

Pos.	Name	Type	Nameplate	Lens
4	FRVKOO	Emergency Stop		
3	STLI	Push Button	BSRRU	T22RRGB
2	STI	Push Button	BSRRU	T22RRGSW
1	STLI	Push Button	BSRRU	T22RRBL



Technical data

Rated insulation voltage U_i	30 V AC/DC
Continuous thermal current I_{th}	1 A
Rated operating voltage U_e	30 V AC/DC
Rated operating current I_e	1 A
Class of Protection	IP65
Operating temperature	-25°C ... 70°C
Storage temperature	-40°C ... 80°C
Connections	M12 plug, A-coded 5-poles/12-poles
Surge voltage category	2
Degree of pollution	II
Approvals	CE, UL

➔ PXM4Z - 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



➔ STLI - Push button

Series:	SHORTRON®
Front bezel color:	silver
Mechanical life:	1,000,000 Switching cycles
Electrical life:	1,000,000 Switching cycles
Contact type:	1 NO
Illuminant:	LED integrated
Illumination:	LED, 3 mm, 24 V DC, 14 mA



Accessories

BSRRU [↗](#) T22RRGB [↗](#)



➔ STI - Push button

Series:	SHORTRON®
Front bezel color:	silver
Mechanical life:	1,000,000 Switching cycles
Electrical life:	1,000,000 Switching cycles
Contact type:	1 NO



Accessories

BSRRU [↗](#) T22RRGSW [↗](#)



➔ STLI - Push button

Series:	SHORTRON®
Front bezel color:	silver
Mechanical life:	1,000,000 Switching cycles
Electrical life:	1,000,000 Switching cycles
Contact type:	1 NO
Illuminant:	LED integrated
Illumination:	LED, 3 mm, 24 V DC, 14 mA

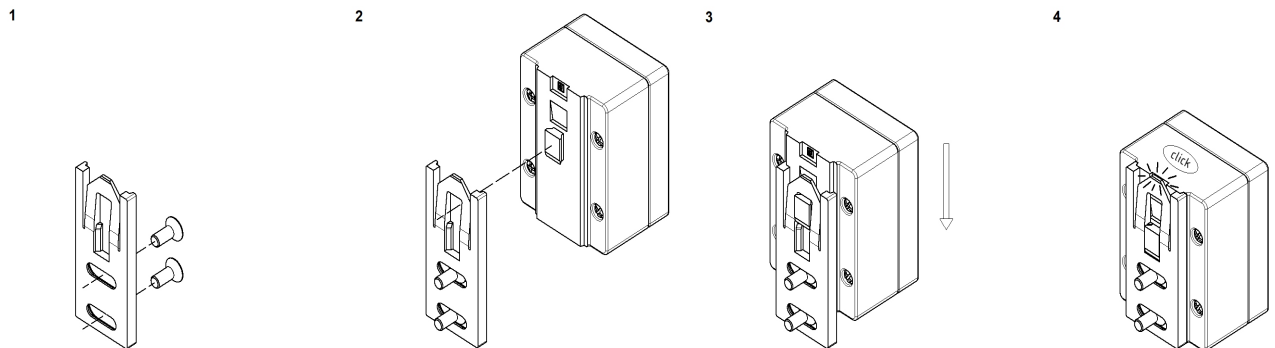


Accessories

BSRRU  T22RRBL 

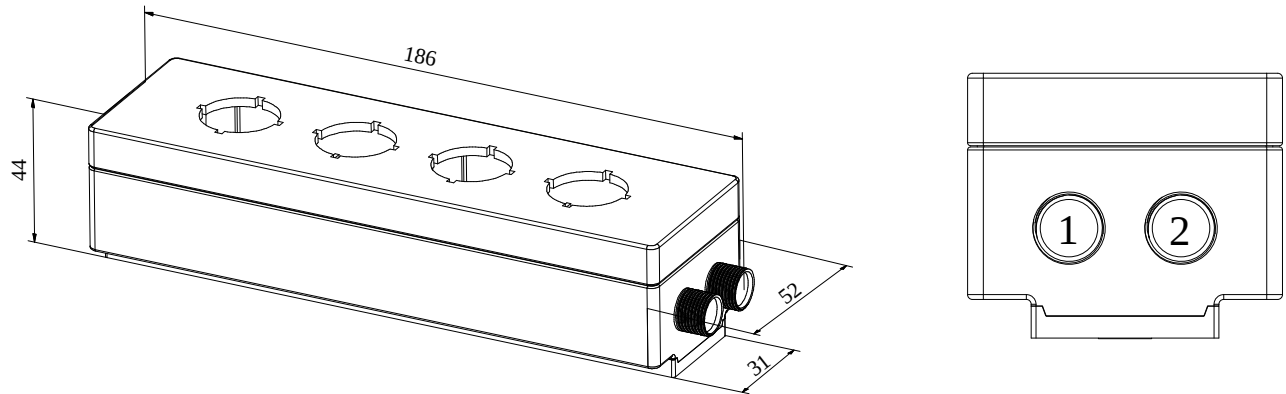


Mounting



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



Pin assignment

Position	Connection	Contact	Pin	Cable color	Connection designation
4 FRVKOO	2	NC	1	Brown	11
			2	White	12
		NC	3	Blue	21
			4	Black	22
3 STLI	1	NO	7	Black	13
			8	Grey	14
		LED	9	Red	X1
			10	Violet	X2
2 STI	1	NO	5	Pink	13
			6	Yellow	14
1 STLI	1	NO	1	Brown	13
			2	Blue	14
		LED	3	White	X1
			4	Green	X2

Connection 1: 12 poles (left)
Connection 2: 5 poles (right)

Images



Labeling

Position	Alignment	Left	Center	Right
4	horizontal	-	E-Stop	-
3	horizontal	-	Tooling Return	-
2	horizontal	-	Fault Reset	-
1	horizontal	-	Safety Reset	-