

PXM4V2054-0002

28.09.2023

Input Device	Sign	Lens	Label
(RRJUV)			
Pushbutton(RRJ VAT)	BSRRU	T22RRGN	
Pushbutton(RRJ VAT)	BSRRU	T22RRRT	
Pushbutton(RRJ VAT)	BSRRU	T22RRBL	



Technical data

Rated insulation voltage U_i	30 V AC/DC
Thermal continuous current I_{th}	0.1 A / 1 A (emergency-stop)
Rated operating voltage U_e	30 V AC/DC
Rated operating current I_e	0.1 A / 1 A (emergency-stop)
Rated surge voltage	0.5 kV
Degree of protection	IP65
Operating temperature	-25°C ... 70°C
Storage temperature	-40°C ... 80°C
Connection*	5, 8 or 12 pole M12 connector, A coded
Overvoltage category	2
Pollution degree	II
Approvals	CE, UL

* the second connector is always a separate one for the emergency-stop (5 pole M12 connector, AIDA)

Enclosure PXM(1, 2, 3, 4)

Tightening torque (mounting bracket)	0.7 ±0.1 Nm (for countersunk screws acc. to DIN 7991/ISO 10642)
Tightening torque (M12 connector)	max. 0.4 Nm
Colour	bottom part: dark grey, cover: black
Material	PA

Emergency-stop RRJUV

Contact type	2 NC
Foolproof	yes
Switching position indicator	yes
Release	by turning to the right or left
Positive opening contacts	acc. to EN60947-5-1, appendix K
Mechanical life	30.000 switching cycles
Electrical life	30.000 switching cycles

Pilot light RRJN, RRJVAN, RRJNSW

Illumination type	white LED, 3 mm
Electrical data LED	24 V, 10 - 15 mA

Pushbutton RRJT, RRJVAT, RRJTSW

Contact type	NO
Operating travel	3mm
Mechanical life	1 million switching cycles
Electrical life	1 million switching cycles
Illumination type	white LED, 3 mm
Electrical data LED	24 V, 10 - 15 mA

Key switch RRJ(VA)SSA15(SW)

Switching function	maintained
Switching positions	2 (0°, 90° right)
Mechanical life	30.000 switching cycles
Electrical life	30.000 switching cycles

RRJ(VA)SSA12(SW)

Switching function	maintained
Switching positions	3 (90° left, 0°, 90° right)
Mechanical life	30.000 switching cycles
Electrical life	30.000 switching cycles

Selector switch RRJ(VA)WAL(SW)_KL

Switching function	maintained
Switching positions	2 (45° left, 45° right)
Mechanical life	30.000 switching cycles
Electrical life	30.000 switching cycles
Illumination type	white LED, 3 mm
Electrical data LED	24 V, 10 - 15 mA

RRJ(VA)WBL(SW)_KL

Switching function	maintained
Switching positions	3 (60° left, 0°, 60° right)
Mechanical life	30.000 switching cycles
Electrical life	30.000 switching cycles
Illumination type	white LED, 3 mm
Electrical data LED	24 V, 10 - 15 mA

Nameplate BSRRU, BSRR(number)

Material	PET
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Lens T22RR(KL, RT, GN, BL, GB) / lens K22RR(KL, RT, GN, BL, GB)

Colour	clear (KL), red (RT), green (GN), blue (BL), yellow (GB)
Material	PA

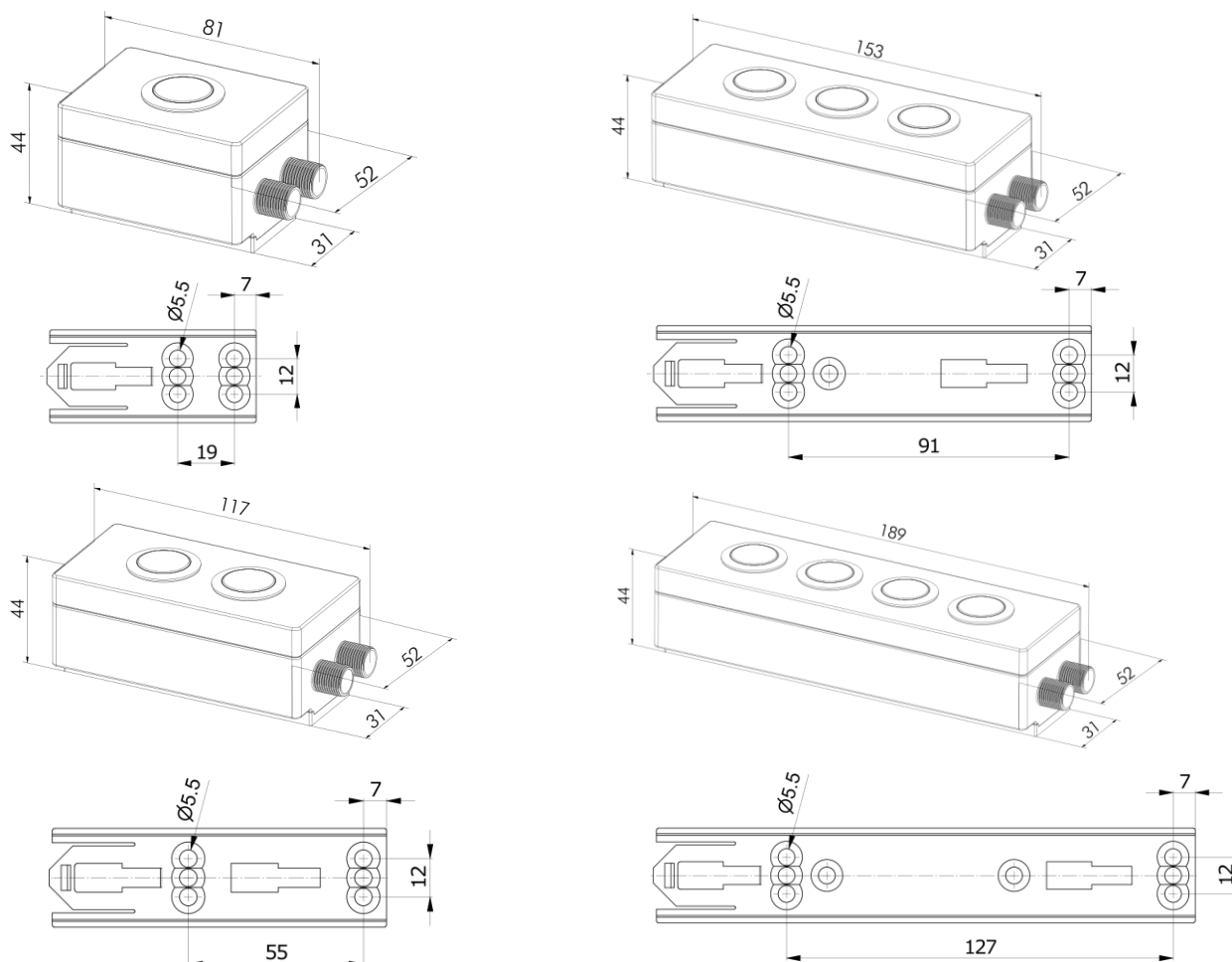
Marking tag PXABT

Colour	black
Material	PA

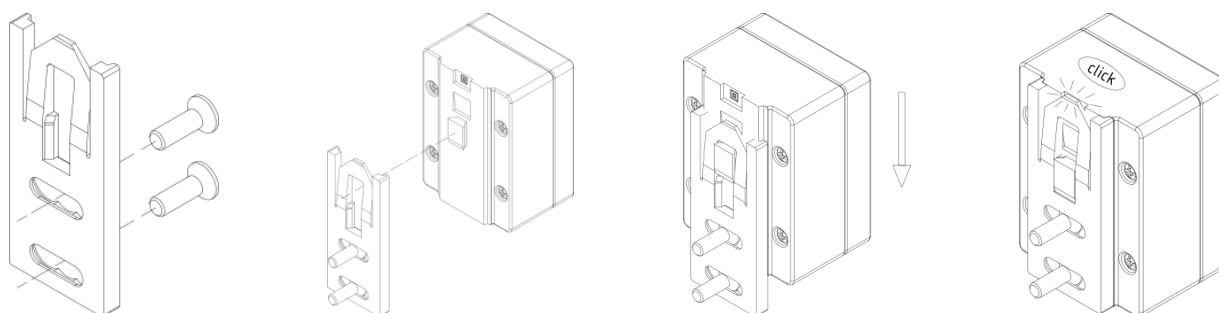
Closing cap for M12 connector PXSKM

Colour	black
Material	PA

Dimensional drawings



Assembly



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 ± 0.1 Nm.

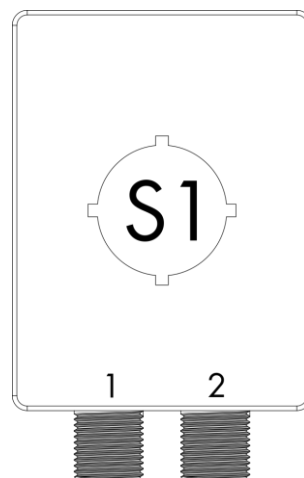
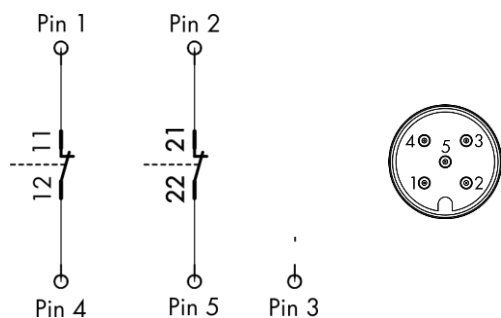
Pin assignments of M12 connectors

1 mounting position with emergency-stop

Connector 2

Emergency-stop on mounting position **S1**.

Connector 1 is not used.

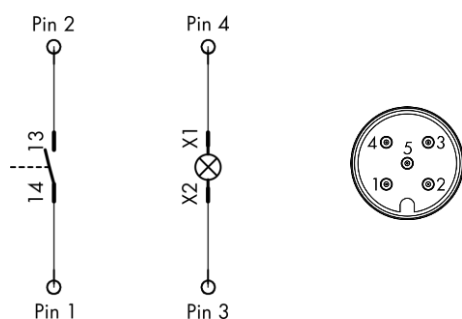


1 mounting position without emergency-stop

Connector 1

Pushbutton, pilot light or 2-position selector/key switch on mounting position **S1**.

Connector 2 is not used.

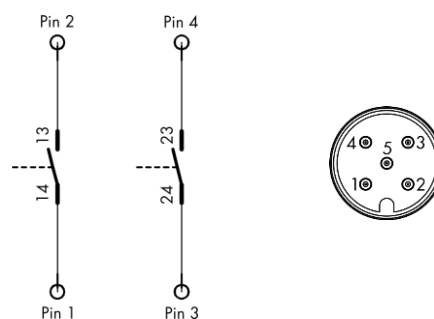


In addition, the pushbutton and selector switch can be illuminated.

Connector 1

3-position selector/key switch on mounting position **S1**.

Connector 2 is not used.

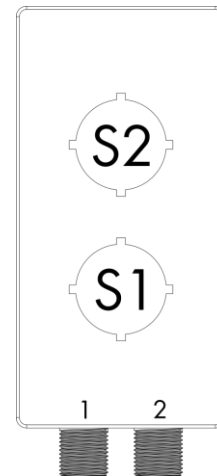
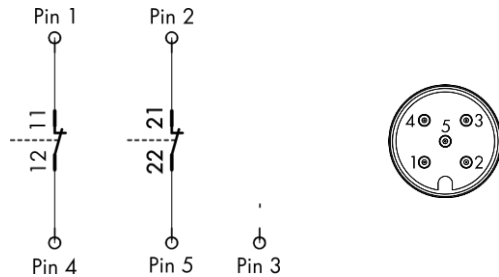


An illumination is not possible.

2 mounting positions with emergency-stop

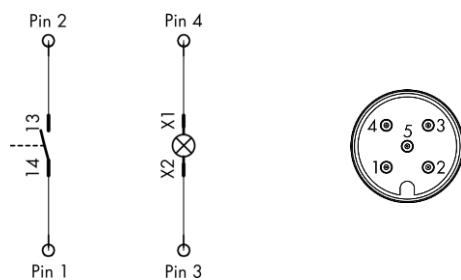
Connector 2

Emergency-stop on mounting position **S2**.



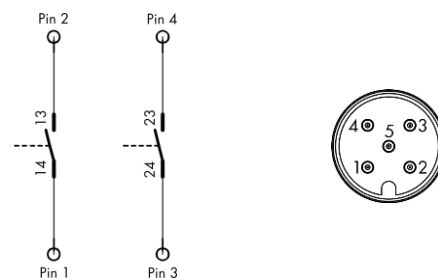
Connector 1

Pushbutton, pilot light or 2-position selector/key switch on mounting position **S1**.



Connector 1

3-position selector/key switch on mounting position **S1**.



In addition, the pushbutton and selector switch can be illuminated.

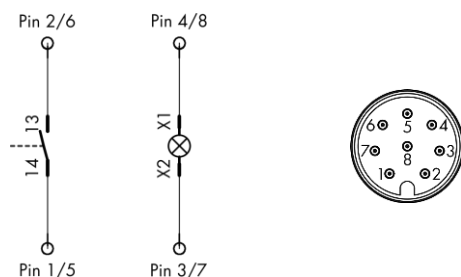
An illumination is not possible.

2 mounting positions without emergency-stop

Connector 1

Pushbutton, pilot light on mounting position **S1** or **S2** or 2-position selector/key switch on mounting position **S1**.

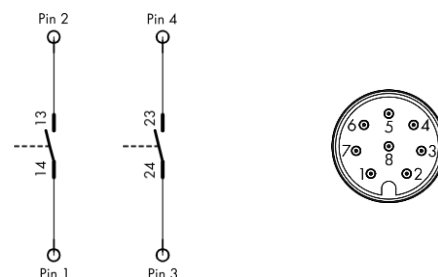
Connector 2 is not used.



Connector 1

3-position selector/key switch on mounting position **S1**.

Connector 2 is not used.



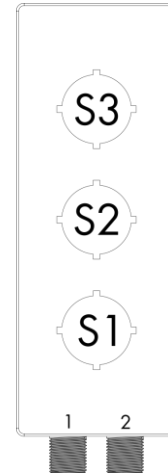
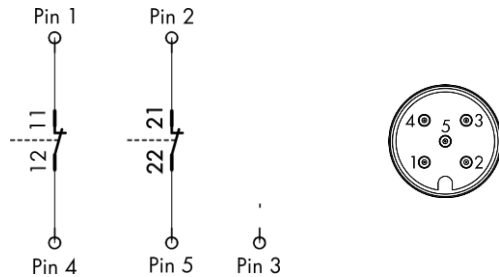
In addition, the pushbutton and selector switch can be illuminated.

An illumination is not possible.

3 mounting positions with emergency-stop

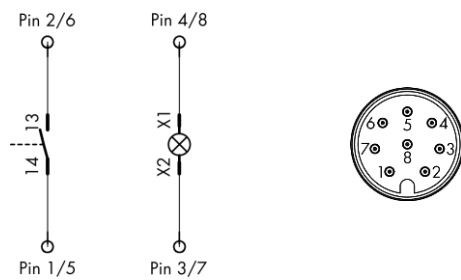
Connector 2

Emergency-stop on mounting position **S3**.



Connector 1

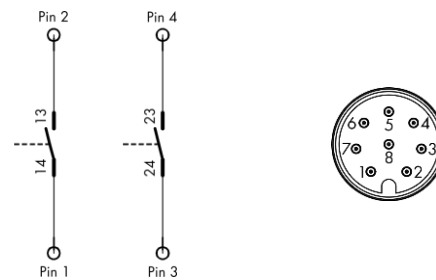
Pushbutton, pilot light on mounting position **S1** or **S2** or 2-position selector/key switch on mounting position **S1**.



In addition, the pushbutton and selector switch can be illuminated.

Connector 1

3-position selector/key switch on mounting position **S1**.



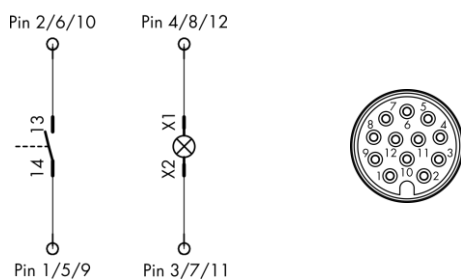
An illumination is not possible.

3 mounting positions without emergency-stop

Connector 1

Pushbutton, pilot light on mounting position **S1**, **S2** or **S3** or 2-position selector/key switch on mounting position **S1**.

Connector 2 is not used.

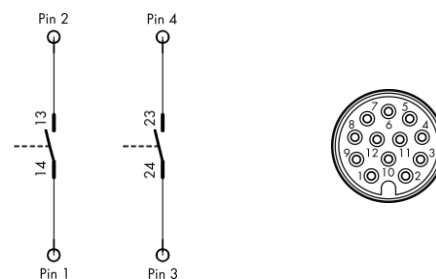


In addition, the pushbutton and selector switch can be illuminated.

Connector 1

3-position selector/key switch on mounting position **S1**.

Connector 2 is not used.

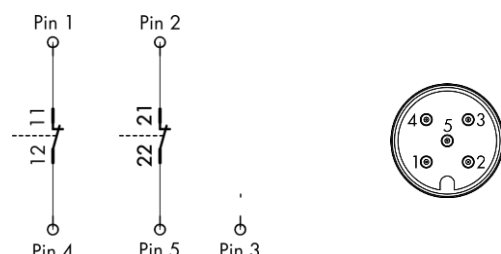


An illumination is not possible.

4 mounting positions with emergency-stop

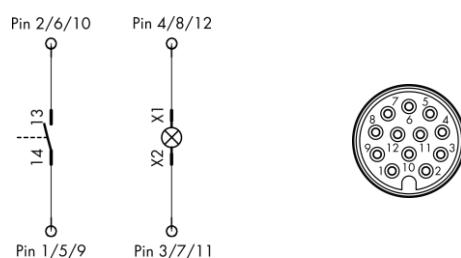
Connector 2

Emergency-stop on mounting position **S4**.



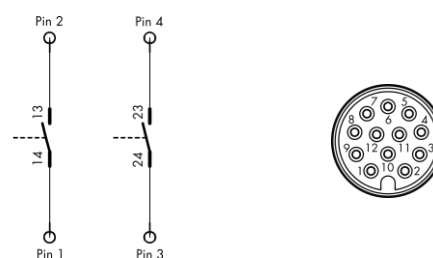
Connector 1

Pushbutton, pilot light on mounting position **S1**, **S2** or **S3** or 2-position selector/key switch on mounting position **S1**.



Connector 1

3-position selector/key switch on mounting position **S1**.



In addition, the pushbutton and selector switch can be illuminated.

An illumination is not possible.

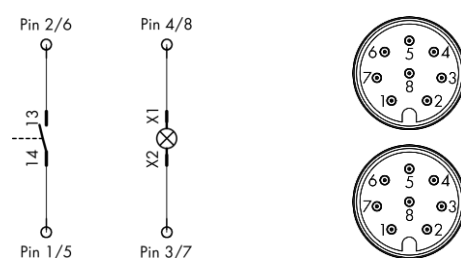
4 mounting positions without emergency-stop

Connector 1

Pushbutton, pilot light on mounting position **S1** or **S2** or 2-position selector/key switch on mounting position **S1**.

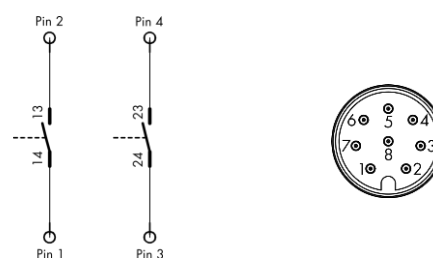
Connector 2

Pushbutton, pilot light on mounting position **S3** or **S4**



Connector 1

3-position selector/key switch on mounting position **S1**.



In addition, the pushbutton and selector switch can be illuminated.

An illumination is not possible.