

JOYSTICKS

Joystick heads & contacts

LM2A

JOYSTICK 2 POSITION SP-RTN

- Mounts in Ø22.5 mm hole
- 2 or 4 way plus centre off
- Stable or spring return
- Centre position latched or unlatched



PRODUCT DESCRIPTION

Joystick heads are available in 2 or 4 way, stable or spring return and with latched (button to release) or non latched centre off. All heads come with a 3 position contact holder clip but the M11 contact blocks must be ordered separately.

The joystick heads require a special contact block (M11) that has 2 x N/O electrical contacts. The contacts will always be open when the head is in the centre off position and will close respectively in each of 2 positions.

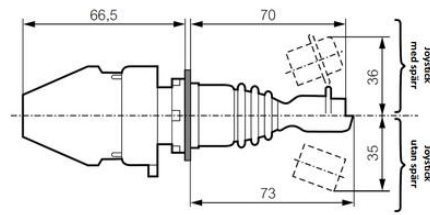
A 2 way joystick can have 1 or 2 x M11 contact blocks to achieve 1 or 2 separate closed contacts in each of the 2 positions respectively excluding the centre off position.



A 4 way joystick requires 2 x M11 contact blocks to achieve a separate closed contact in each of the 4 positions excluding the centre off position.

SPECIFICATIONS

Climate resistance cyclic damp heat	IEC 60068-2-3
Climate resistance to sea air	IEC 60068-2-52
Climate-resistant heat	IEC 60068-2-30
Function	Spring return
IP Class	IP65
Number of positions	3
Protection Class	II
Temperature range bearing, from	-40 °C
Temperature range bearing, to	70 °C
Temperature range from	-25 °C

70 °C

$$A \longrightarrow 0 \longleftarrow B$$


				A	O	B
LM11	13		14	X		
	11		12			X
LM11	23		24			X
	21		22	X		

For Joysticks

4 position

LME in Clip location	Terminal Numbers	Position A B C
I	3-6 1-2	X ○ ○ ○ ○ X
II	3-6 4-2	○ ○ X X ○ ○

Four factor test (100%)				
	(Min in Flip location)	Terminal Numbers	A	B
1		3-4 1-2	X O O O O X	
2		3-4 1-2	O O X X O O	
3		3-4 1-2	X O X O O X	
4		3-4 1-2	O O X X O O	

LM in Clip location	Terminal Numbers	A	B	O	C	D
Y	3-6 1-2	○	○	○	○	X
		○	○	○	X	○
Z	3-4 1-2	○	X	○	○	○
		X	○	○	○	○

Four mice (a, b, c, d)					
Site in Clp location	Nominal Number	Position			
		A	B	C	D
1	3-4	○	○	○	○
	7-8	○	○	○	○
2	3-4	○	○	○	○
	7-8	○	○	○	○
3	3-4	○	○	○	○
	7-8	○	○	○	○
4	3-4	○	○	○	○
	7-8	○	○	○	○