

## 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.

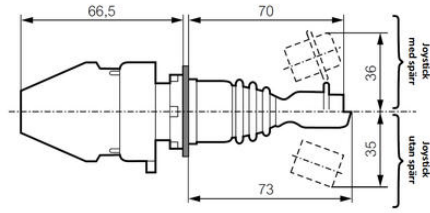
## SPECIFICATIONS

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

Temperature range to

70 °C

Återfjädrande funktion 3-läges



Kontaktfunktion 3-läges joystick

		A	O	B
LM11	13	X		
	11			X
LM11	23			X
	21	X		

MECHANICAL OPERATION - JOYSTICKS

For Joysticks

2 position

Two wipers (or 2MS) - standard with service seal

Wiper in Cfg location	Terminal Number	Position	A	O	B
1	14	X	O	O	
	12	O	O	X	
2	14	O	O	X	
	12	X	O	O	

4 position

Two wipers (or 2MS) - standard with service seal

Wiper in Cfg location	Terminal Number	Position	A	O	B
1	14	O	O	O	X
	12	O	O	X	O
2	14	O	X	O	O
	12	X	O	O	O

Two wipers (or 2MS)

Wiper in Cfg location	Terminal Number	Position	A	O	B
1	14	X	O	O	
	12	O	O	X	
2	14	O	O	X	
	12	X	O	O	
3	14	X	O	O	
	12	O	O	X	
4	14	O	X	O	
	12	X	O	O	

Two wipers (or 2MS)

Wiper in Cfg location	Terminal Number	Position	A	O	B
1	14	O	O	O	X
	12	O	O	X	O
2	14	O	X	O	O
	12	X	O	O	O
3	14	O	O	O	X
	12	O	O	X	O
4	14	O	X	O	O
	12	X	O	O	O