

## JOYSTICKS

### Joystick heads & contacts

#### LMV2F

#### Joystick 2 Position Stable Lock In 0

- 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.

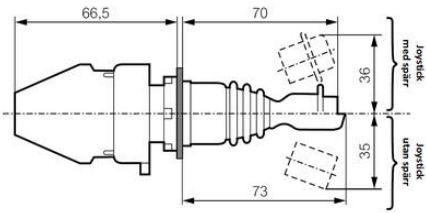
A 4 way joystick requires 2 x M11 contact blocks to achieve a separate closed contact in each of the 4 positions excluding the centre off position.

## TECHNICAL DATA

<b>Climatic resistance - constant humid heat</b>	IEC 60068-2-3
<b>Climatic resistance - cyclic damp heat</b>	IEC 60068-2-30
<b>Climatic resistance - sea air</b>	IEC 60068-2-52
<b>Function</b>	Stable
<b>IP class</b>	IP65
<b>Positions</b>	3
<b>Protection class</b>	II
<b>Storage temperature max</b>	70 °C
<b>Storage temperature min</b>	-40 °C
<b>Temperature operational max</b>	70 °C

Kvarstående funktion 3-läges

A — 0 — B



Kontaktfunktion 3-läges joystick				A	O	B
LM11	13		14	X		
	11		12			X
LM11	23		24			X
	21		22	X		

MECHANICAL OPERATION - JOYSTICKS

For joysticks

2 position

Two switch cup (M1) - standard with service lead			
Wires in (Cty Location)	Terminal Numbers	Position	
1	24	X	O
	12	O	X
2	24	O	X
	12	X	O

Four switch cup (M1)			
Wires in (Cty Location)	Terminal Numbers	Position	
1	24	X	O
	12	O	X
2	24	O	X
	12	X	O
3	24	O	X
	12	X	O
4	24	O	X
	12	X	O

4 position

Two switch cup (M1) - standard with service lead			
Wires in (Cty Location)	Terminal Numbers	Position	
1	24	O	O
	12	O	O
2	24	O	O
	12	X	O

Four switch cup (M1)			
Wires in (Cty Location)	Terminal Numbers	Position	
1	24	O	O
	12	O	O
2	24	O	X
	12	X	O
3	24	O	O
	12	O	X
4	24	O	X
	12	X	O

MECHANICAL OPERATION - JOYSTICKS

For joysticks

2 position

Two switch cup (M1) - standard with service lead			
Wires in (Cty Location)	Terminal Numbers	Position	
1	24	X	O
	12	O	X
2	24	O	X
	12	X	O

Four switch cup (M1)			
Wires in (Cty Location)	Terminal Numbers	Position	
1	24	X	O
	12	O	X
2	24	O	X
	12	X	O
3	24	O	X
	12	X	O
4	24	O	X
	12	X	O

4 position

Two switch cup (M1) - standard with service lead			
Wires in (Cty Location)	Terminal Numbers	Position	
1	24	O	O
	12	O	O
2	24	O	X
	12	X	O

Four switch cup (M1)			
Wires in (Cty Location)	Terminal Numbers	Position	
1	24	O	O
	12	O	O
2	24	O	X
	12	X	O
3	24	O	O
	12	O	X
4	24	O	X
	12	X	O