

Position switches with revolving lever without actuator

All measures in the drawings are in mm

Contact type:

- R** = snap action
- L** = slow action
- LO** = slow action overlapped
- LS** = slow action shifted
- LV** = slow action shifted and spaced
- LI** = slow action independent
- LA** = slow action closer
- ⏏** = electronic PNP

Contact blocks

		With manual reset knob
5	R FR 538-M2	FR 538-M2
6	L FR 638-M2	FR 638-W3M2
7	LO FR 738-M2	FR 738-M2
9	L FR 938-M2	FR 938-W3M2
10	L FR 1038-M2	FR 1038-W3M2
11	R FR 1138-M2	FR 1138-M2
12	R FR 1238-M2	FR 1238-M2
13	LV FR 1338-M2	FR 1338-M2
14	LS FR 1438-M2	FR 1438-M2
15	LS FR 1538-M2	FR 1538-M2
16	LI FR 1638-M2	FR 1638-M2
18	LA FR 1838-M2	FR 1838-M2
20	L FR 2038-M2	FR 2038-W3M2
21	L FR 2138-M2	FR 2138-W3M2
22	L FR 2238-M2	FR 2238-W3M2
2	R FR 238-M2	FR 238-W3M2
E1	⏏ FR E138-M2	FR E138-M2
Min. force	0.06 Nm (0.25 Nm)	0.07 Nm (0.25 Nm)
Travel diagrams	page 240 - group 5	page 241 - group 4

IMPORTANT

For safety applications: join only switches and actuators marked with symbol ⊕ aside the product code. For more information about safety applications see details on page 235.

All measures in the drawings are in mm

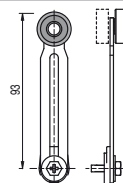
Loose actuators

All measures in the drawings are in mm

IMPORTANT: These loose actuators can be used with items of series FR, FM, FX, FZ and FK only.

Technopolymer roller Ø 18 mm	Technopolymer roller Ø 18 mm	Adjustable square rod, 3x3x125 mm	Flexible rod with pointed end	Adjustable round rod Ø 3x125 mm	Technopolymer roller Ø 20 mm	
VF LE30	VF LE31	VF LE33	VF LE34	VF LE50	VF LE51	
Technopolymer roller Ø 20 mm	Porcelain roller	Technopolymer roller Ø 20 mm	Adjustable actuator with technopolymer roller	Adjustable safety actuator with technopolymer roller	Technopolymer roller Ø 20 mm	Adjustable fiber glass rod
VF LE52	VF LE53	VF LE54	VF LE55	VF LE56	VF LE57	VF LE69

- (1) Actuator VF LE55 can only be used in safety applications if adjusted to its max. length, as shown in figure beside. If you need an adjustable lever for safety applications, use the adjustable safety lever VF LE56.
- (2) The position switch obtained by assembling switch FR •38-M2 (e.g. FR 538-M2, FR 638-M2...) with actuator VF LE53 will not present the same travel diagrams and actuating forces as switch FR •53-E0M2V9 (e.g. FR 553-E0M2V9, FR 653-E0M2V9...).
- (4) The actuator cannot be rotated to the inside because it will mechanically interfere with the switch head.



Items with code on green background are stock items

Accessories See page 225