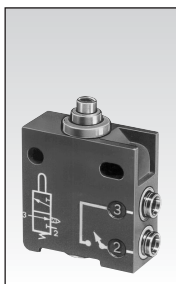


"Miniature" series position detectors

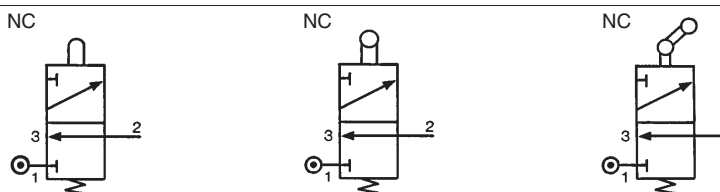


1

Part numbers

Version	Push-in connection for semi-rigid tubing (NFE 49100)				
	Ø 4 silenced exhaust	81 921 501	81 921 701	81 921 702	81 921 707
NC	M5 connectable exhaust	—	—	—	—
	Ø 4 connectable exhaust *	—	—	—	—
	Ø 6 connectable exhaust *	—	—	—	—
NO	Ø 4 silenced exhaust	—	—	—	—
	Ø 6 silenced exhaust	—	—	—	—
Control		Simple plunger	Lever with plastic roller	Lever with roller bearing	Lever with one-way trip plastic roller

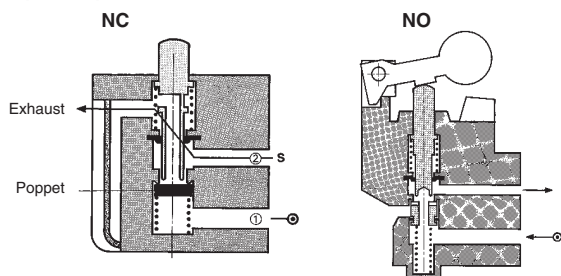
Symbol



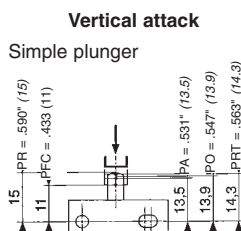
Characteristics

Operating pressure	psi (bar)	2 >120 (0.18>8)	2 >120 (0.18>8)	2 >120 (0.18>8)	2 >120 (0.18>8)
Orifice diameter	inches (mm)	0.106 (2.7)	0.106 (2.7)	0.106 (2.7)	0.106 (2.7)
Flow at 90 psi (6 bars)	cfm (NI/min)	7 (200)	7 (200)	7 (200)	7 (200)
Actuation force at 90 psi (6 bars)	oz (N)	63 (18)	63 (18)	63 (18)	63 (18)
Circuit function : NC		—	—	—	—
Circuit function: NO		—	—	—	—
Operating temperature	°F (°C)	+20>+120 (-5>+50)	+20>+120 (-5>+50)	+20>+120 (-5>+50)	+20>+120 (-5>+50)
Mechanical life	operations	10 million	10 million	10 million	10 million
Weight	grams	62	75	80	77

Principle of operation



Actuation travel

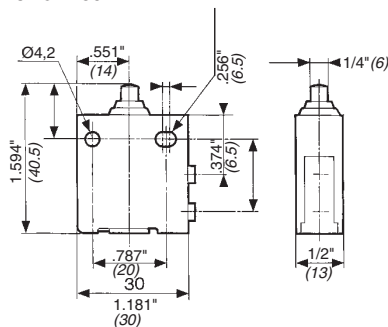


Actuation positions :

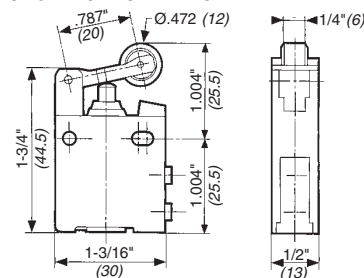
- PA : Operating position (max output CV)
- PFC : End of travel position
- PO : Mid-position closed (no exhaust, no outlet)
- PRT : Release position (max exhaust CV)
- PR : Rest position

Dimensions

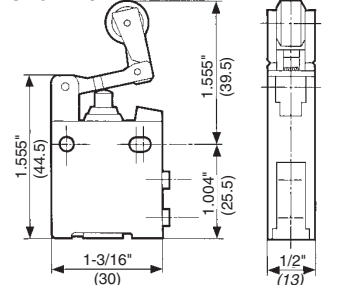
81 921 501



81 921 701 - 81 921 702



81 921 707



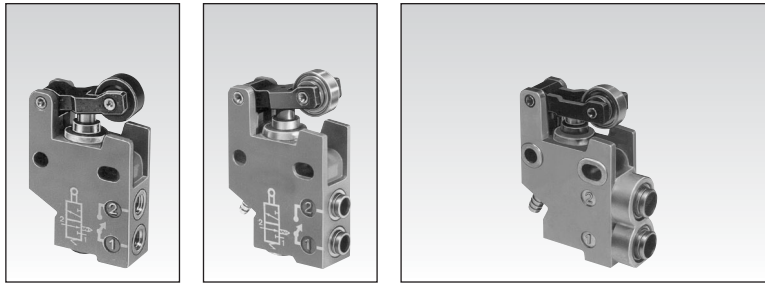
Use (metric) dimensions for critical data

Other information

* with barb for tube 0.106" (2.7) I.D. AND 5/32" (4) O.D.

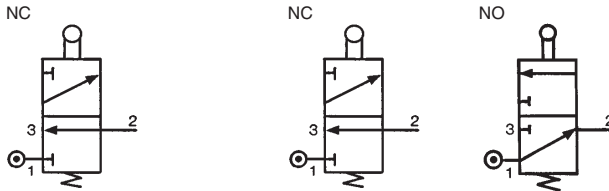
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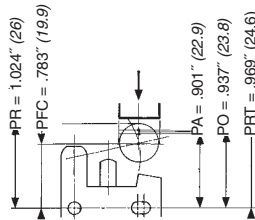
—	—	—	—
—	—	—	—
81 921 806	81 921 714	81 921 719	81 921 717
—	—	81 921 911	81 921 912
—	—	81 921 901	81 921 902
—	—	—	—
Lever with plastic roller	Lever with roller bearing	Lever with plastic roller	Lever with roller bearing



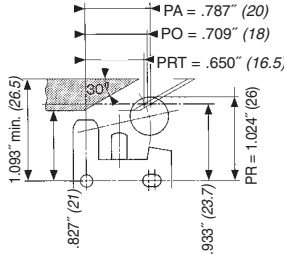
2 > 120 (0.18 > 8)	2 > 120 (0.18 > 8)	2 > 120 (0.18 > 8)	2 > 120 (0.18 > 8)
0.106 (2.7)	0.106 (2.7)	0.106 (2.7)	0.106 (2.7)
7 (200)	7 (200)	7 (200)	7 (200)
63 (18)	63 (18)	63 (18)	63 (18)
—	—	—	—
+20 > +120 (-5 > +50)	+20 > +120 (-5 > +50)	+20 > +120 (-5 > +50)	+20 > +120 (-5 > +50)
10 million	10 million	10 million	10 million
75	80	100	100

Horizontal actuating 30° cam (other angles of attack are also possible, 45° even 90°).

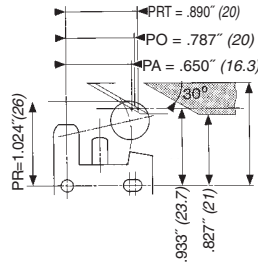
With lever



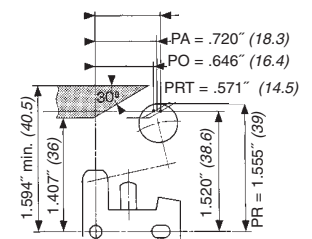
With lever



With lever



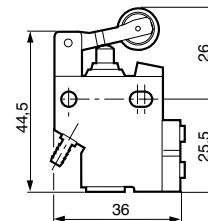
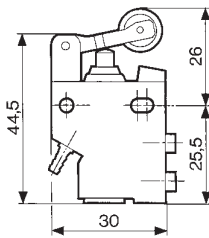
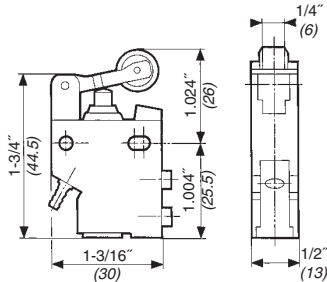
One-way trip lever



81 921 806 - 81 921 714 - 81 921 911 - 81 921 912

81 921 714

81 921 717 - 81 921 719
81 921 901 - 81 921 902
81 921 911 - 81 921 912



Use (metric) dimensions for critical data

To order, specify :

Standard products

1 Part number

Standard products, non stocked

Example : "Miniature" series position detectors 81 921 501

5

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