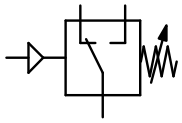
MINIATURE PRESSURE AND VACUUM SWITCH, TYPE "AIRTROL®" F4200

Description	High-precision pressure and vacuum switch with electrical outlet signal. The microswitch satisfies UL and CSA regulations. Polysulphone of the body approved by National Sanitation Foundation. The switch also complies with FDA regulations and is suitable for water and food products.
Media	compressed air, non-corrosive gases or liquids
Switch contact	micro SPDT switch, covered by plastic cap
Contact load	3 A at 230 V AC or 1.2 A at 125 V DC 10 A at 230 V AC or 0.5 A at 125 V DC
Electrical connector	0.187″ (4.75 mm) quick connector for Molex connector
Repeatability	± 2% FS
Certifications	CSA-certified and UL-listed
Switching time	25 ms
Mounting position	any
Temperature range	4 °C to 66 °C / 40 °F to 150 °F
Material	Body: polysulphone; Spring: stainless steel Diaphragm: polyurethane; Media non-contact parts: nylon, carbon fibre nylon, acetal



3…30 mbar/7 bar
-1…-10 mbar/-1 bar

Description	Contact load max. A	Hysteresis typical mbar	Hysteresis max. mbar	Over-pressure max. bar	Measurement range bar	Order number	D*
Pressure and Vacuum Switch pressure port 1/8″ NPT male with nylon nipple Ø 1/16″, and covering cap, SPDT switch						**F4200**	
pressure switch	3	3	10	1	0.003 …0.03	**F4200- 0,5PT**	
	10	7	20	2	0.014 …0.14	**F4200- 2PT**	
	10	30	50	2	0.035 …0.35	**F4200- 5PT**	
	10	70	110	3	0.035 …1.0	**F4200- 15PT**	
	10	120	160	4	0.035 …2.1	**F4200- 30PT**	
	10	240	350	8	0.035 …4.2	**F4200- 60PT**	
	10	400	500	8	0.070 …7.0	**F4200-100PT**	
vacuum switch	3	1	3	-0.3	-0.001 …-0.01	**F4200-X 4PT**	
	10	17	27	-1	-0.007 …-0.17	**F4200-X 5PT**	
	10	34	50	-1	-0.015 …-0.34	**F4200-X10PT**	
	10	68	100	-1	-0.050 …-1.00	**F4200-X30PT**	

Special options, add or change the appropriate letter

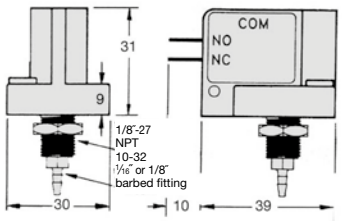
flush mounting	barbed fitting made of nylon, Ø 1/16″, Ø 2 mm	F4200- . . . **FM**
panel mounting	barbed fitting made of nylon, Ø 1/16″, Ø 2 mm	F4200- . . . **PM**
manifold mounting		F4200- . . . **MM**
barbed fittings	for FM and PM, made of nylon, Ø 1/16″, Ø 2 mm	F4200- . . . . . **B80** Stand.
	nylon, Ø 1/8″, Ø 4 mm	F4200- **B85**
	polysulphone, Ø 1/16″, Ø 2 mm	F4200- **P80**
	polysulphone, Ø 1/8″, Ø 4 mm	F4200- **P85**
gold contact	0.1 A at 125 V AC	F4200- **1B**
factory-set switchpoint	± 5%, indicate on order	F4200- . . . . . **X**
free of oil and grease	specially cleaned, suitable for oxygen	F4200- . . . . . **L**

F4200-…PT

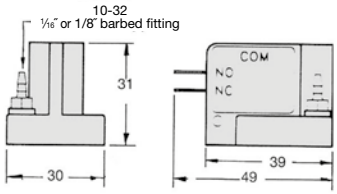
F4200-…FM

F4200-…PM

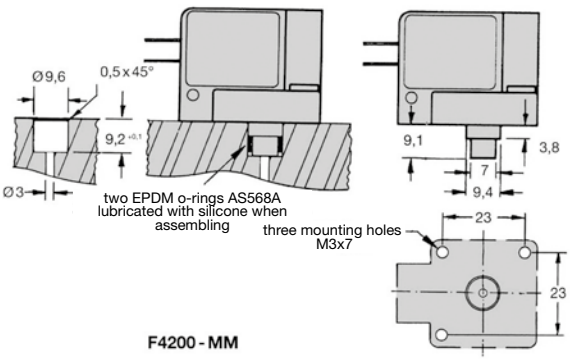
F4200-…MM



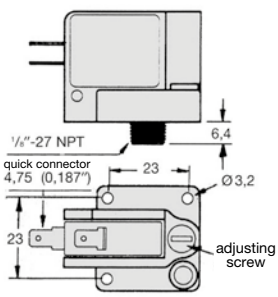
F4200 - PM



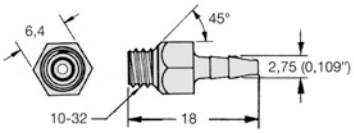
F4200 - FM



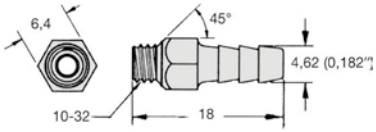
F4200 - MM



F4200 - PT



B80 / P80



B85 / P85

* Product group

PDF CAD
www.aircom.net

Order example:
F4200-0,5PT