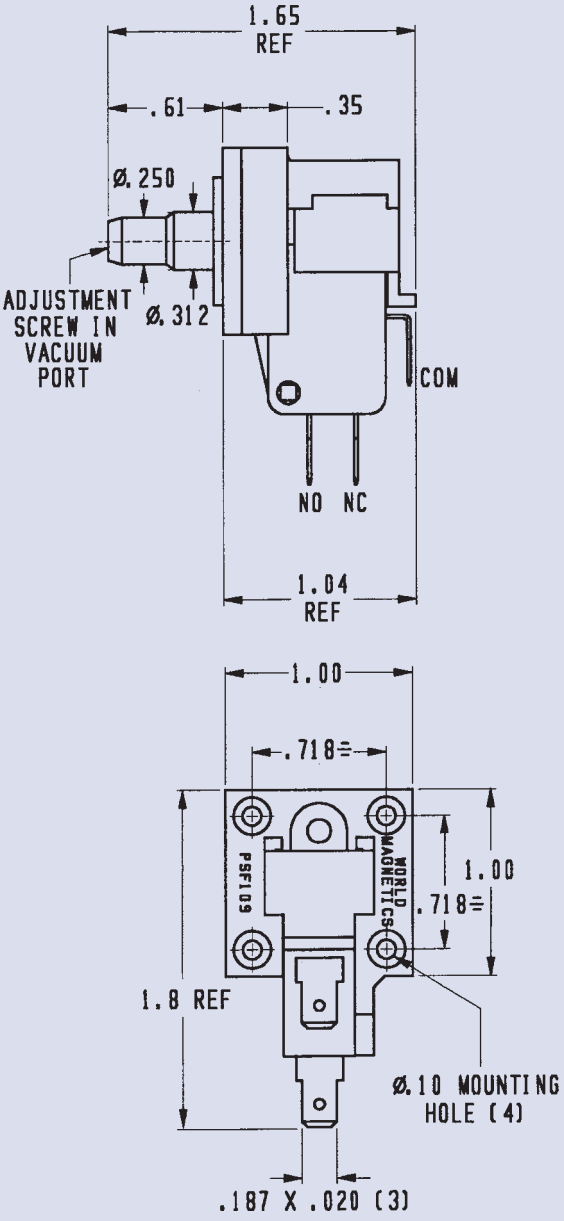
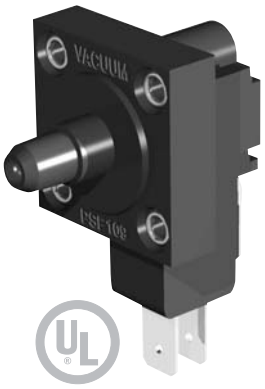
PSF109S Series *vacuum switch • high current*



FEATURES

- Vacuum switch with Hysteresis (deadband) for motor control
- Field adjustable vacuum set point, from 3" H_2O to 12 PSI
- Snap action basic switch, up to 25 A, 125/250 VAC
- .250" diameter or 1/8" NPT vacuum port
- Small size and lightweight



E41523

SPECIFICATIONS

MECHANICAL	
Standard Tolerance	±20% Tighter tolerances available
Switch Type	SPDT normally open, or normally closed
Switching Medium	Air or compatible fluids
Mechanical Life	More than 10 million cycles
Operating Temp.	+40°F to +150°F (standard) -46°F to +205°F (consult factory)
PHYSICAL	
Mounting	Use #2 screws thru eyelets
Case Material	Polycarbonate standard
Contact Material	Silver (Gold available on special order)
Diaphragm Material	Polyurethane standard (Teflon® optional)
Electrical Connections	Terminals – .187"x .020" tab-type for use with AMP 2-520182-2 or equivalent
ELECTRICAL	
Contact Rating	See rating chart

For Hysteresis chart see page 8

STANDARD MODELS

VACUUM SET POINT AND ELECTRICAL RATING						
Part Number	**Description**	**Port Style**	**(-) In. H_2O**	**(-) mbar**	**(-) PSI**	**Electrical Rating**
20161	PSF109S-3-8	.250" dia.	3 to 8	8 to 20	0.1 to 0.3	3 A, 125/250 VAC
20901	PSF109S-NPT-3-8	1/8" NPT	3 to 8	8 to 20	0.1 to 0.3	3 A, 125/250 VAC
20112	PSF109S-9-80	.250" dia.	9 to 80	21 to 199	0.3 to 2.9	10 A, 125/250 VAC
20890	PSF109S-NPT-9-80	1/8" NPT	9 to 80	21 to 199	0.3 to 2.9	10 A, 125/250 VAC
20623	PSF109S-81-330	.250" dia.	81 to 330	200 to 822	2.9 to 11.9	15 A, 125/250 VAC
20897	PSF109S-NPT-81-330	1/8" NPT	81 to 330	200 to 822	2.9 to 11.9	15 A, 125/250 VAC