

9013 PUMPTROL® Commercial Pressure Switches Type F and 9013 Commercial Pressure Switches Type G

Catalog
January

07

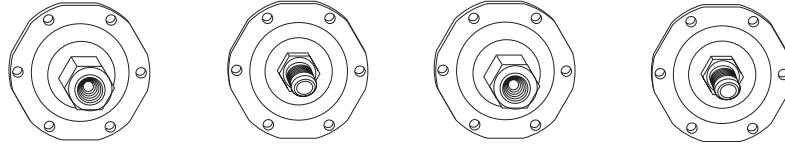


Commercial Pressure Switches

Electromechanical Square D Brand 9013

For power circuits, FSG
2-pole 2 N/C contacts
Degree of protection IP20, NEMA Type 1

Flange Style



Adjustable range of switching point 1.4...4.6 bar (20.3...66.7 psi)
Contacts open on rising pressure

Differential	Adjustable				
Fluid connections	¼" NPSF internal	¼"NPT external	¼" NPSF internal	¼"NPT external	
References					
NEMA Type 1, IP20	9013FSG22	9013FSG29	9013FSG42	9013FSG49	9013FSG1 - 20 with M4 ♦
NEMA Type 3R ■	9013FSW22	9013FSW29	9013FSW42	9013FSW49	
Fluids controlled	Water	Water	Water	Water	Water
Pressure range					
Cut-Out PSIG (bar)	20-50 (1.4-3.5)	20-60 (1.4-4.1)	9-30 (0.6-3.1)	9-30 (0.6-3.1)	34-65 (2.3-4.5)
Cut-In PSIG (bar)	10-30 (0.7-2.1)	10-45 (0.7-3.1)	3-10 (0.2-0.7)	3-10 (0.2-0.7)	19-45 (1.3-3.1)
Weight lbs (kg)	0.75 lbs (0.340)	0.75 lbs (0.340)	0.75 lbs (0.340)	0.75 lbs (0.340)	0.75 lbs (0.340)

Complementary characteristics not shown under general characteristics

Differential PSIG (bar)	10-30 (0.7-2.1)	10-30 (0.7-2.1)	6-20 (0.4-1.4)	6-20 (0.4-1.4)	15-30 (1.0-2.1)
Maximum permissible pressure PSIG (bar)	50 (3.5)	60 (4.1)	30 (2.1)	30 (2.1)	65 (4.5)
Mechanical life (operating cycles)	300,000				
Cable entry	2 cable entries 0.88" (22.4mm) with 0.84" (21.3mm) across flat.				
Pressure switch type	Diaphragm				

Modifications

Descripton	Applies to:	Form Letter
Standard pack of 20 devices per box	All type F	C20
Maintained manual cut-out lever (AUTO-OFF)	FSG, FYG	M1
Low pressure cut-off (AUTO-START-OFF) operates at approximately 10 PSIG below cut-in and will turn off the pump	FSG, FYG (Type 1-20 only)	M4
Pulsation plug (standard on FSG4)	FSG2, 9	P ♦
Salt water flange (¼ NPSF Internal only)	All type F	Q
Plastic flange (max. temp 120 F / max. pressure 80 psi)	FRG, FSG, FYG ¼ NPSF internal only	Q8
½" conduit bushing - ½" long thread - on left	All type F	T
½" conduit bushing - ½" long thread - on right	All type F	T1
Slip-on connections (load side terminals only)	FSG, FYG	U
Slip-on connectors (line and load terminals)	FSG, FYG	U2
Black cover	FSG, FYG	Z22

- ♦ Nylon pulsation plug can be field installed on types having 1/4" NPSF internal connector. Part number 1530S6G1 is one bag of 50 plugs.
- Must be mounted in vertical position to maintain enclosure rating.