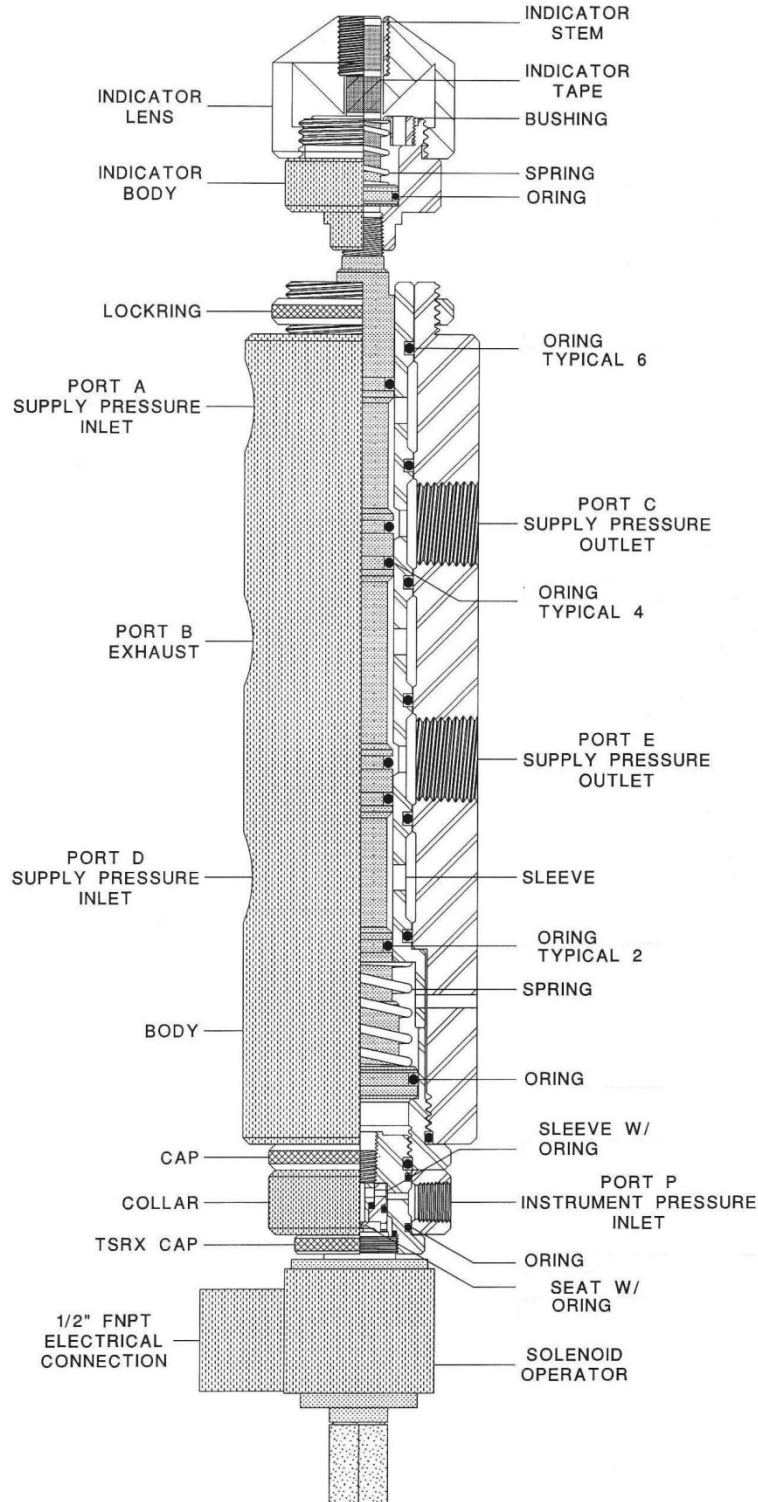




# 'P58IXSR' SOLENOID OPERATED MULTI-FUNCTION RELAY





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ISO 9001 Certified



## 'P58IXSR' SOLENOID OPERATED MULTI-FUNCTION RELAY

### INSTALLATION

CONNECTION	1/2" NPTF	INSTRUMENT PORT - 1/8" NPTF
PANEL MOUNT	1 9/16" Diameter Hole	

PORT A	Supply Inlet (Normally Open)	30-150 PSI (2.06-10.34 bar)	Orifice .375" (9.53mm)
PORT B	Exhaust		.375" (9.53mm)
PORT C	Supply Outlet		.375" (9.53mm)
PORT D	Supply Inlet (Normally Closed)	30-150 PSI (2.06-10.34 bar)	.375" (9.53mm)
PORT E	Supply Outlet		.375" (9.53mm)
PORT P	Instrument Pressure Inlet	30-120 PSI (2.06-10.34 bar)	.062" (1.57mm)

### OPERATION

The BWB "P58PIXSR" is a 5 way, automatic, solenoid operated, multi-function relay with indicator. It is normally installed near a pump, a control valve, or in a control panel. It relays safety system supply pressure through dual inlets (Port A - Normally Open & Port D - Normally Closed) and dual outlets (Port C - Normally Open & Port E - Normally Closed), which share a common exhaust (Port B). Instrument pressure (Port P) is also supplied from the same source.

When the solenoid is energized, it will allow the instrument pressure (Port P) to automatically push the stem into the up position. The N/O inlet (Port A) is blocked and the N/O outlet (Port C) is open to the exhaust (Port B). The N/C inlet (Port D) is open to the N/C outlet (Port E).

When the solenoid is de-energized, the instrument pressure (Port P) is lost, and the spring will automatically push the stem into the down position. The N/C inlet (Port D) is blocked and the N/C outlet (Port E) is open to the exhaust (Port B). The N/O inlet (Port A) is open to the N/O outlet (Port C).

### FEATURES

**RELAY** All Viton O-Rings - All 316 Stainless Steel construction  
O-Rings do not cross directly over ports during operation, therefore maintaining O-Ring longevity  
Relay can be ordered with indicator or knob  
Visual indication of whether the solenoid is energized or de-energized  
Alternate Port Configuration:

Single Inlet (Port B) Dual Outlet (Ports C & E) Dual Exhaust (Ports A & D)

### **SOLENOID** Stainless Steel Construction

Flameproof type with Epoxy molded coil (12 or 24 Volt DC)  
UL listed and CSA approved  
For Hazardous locations Division 1 & 2  
Class I - Group C&D

Class II - Group E,F&G - NEMA 4 Enclosure

### OPTIONS

P-58PIXSR (Indicator - 1/2" NPTF)

P-5PIXSR (Indicator - 1/4" NPTF)

P-58KPXSR (Knob - 1/2" NPTF)

P-5KPXSR (Knob - 1/4" NPTF)

### WEIGHT

P-58PIXSR 9.00 Pounds

P-5PIXSR 4.75 Pounds

P-58KPXSR 8.50 Pounds

P-5KPXSR 4.50 Pounds

**Designed and Manufactured using Safe Engineering Practices**