Pressure Controls Series PS1 / PS2

Features

- Adjustable pressure setpoint
- Automatic and manual reset versions
- Flare and solder pressure connections
- Chatter-resistant (bounce-free) contacts
- High operational current, locked rotor max. 144 A (LRA)
- Standard SPDT with same operational current rating for both contacts
- Dual pressure control with independent SPDT switches (single pole double throw) for high and low pressure side
- Locking plate and mounting screws included

Options (minimum order quantity 100 pieces)

- Convertible reset to reduce stock
- Other types of pressure connections upon agreement
- Factory set to customer specification



PS2 PS1

Standards

- CE per Low Voltage Directive
- CE per PED Directive. TÜV appr. versions only
- c UL us LISTED Underwriter Laboratories (File Nr. E85974) (PS1 / PS2 only)
- German Lloyd for use on ships, only when used with marine cable glands (accessory)

Selection Table Single Pressure Controls PS1

Type	Part No.	Adjustment Range		Lowest Setpoint (bar)	Factory Setting (bar)	Leakage Test Pressure (bar)	Pressure Connection
		Upper Setpoint (bar)	Differential (bar)				
Low Pressure Controls							
PS1-A3A	4 370 700	-0.5 ... 7	0.5 ... 5	-0.9	3.5 / 4.5	24	7/16"-20 UNF
PS1-A3U	4 712 201						solder tube 6 mm
PS1-A3X	4 713 430						solder tube 1/4"
PS1-R3A	4 350 100	-0.5 ... 7	External Reset Approx. 1 bar Above Setpoint	-0.9	3.5	24	7/16"-20 UNF
High Pressure Controls							
PS1-A5A	4 350 500	6 ... 31	2 ... 15	3	16 / 20	35	7/16"-20 UNF
PS1-A5L	4 715 136						cap./solder tube 1/4"
PS1-A5U	4 713 325						solder tube 6 mm
PS1-A5X	4 713 434						solder tube 1/4"
PS1-R5A	4 350 700	6 ... 31	Ext. Manual Reset Approx. 3 bar Below Setpoint	-	20	35	7/16"-20 UNF

Selection Table Single Pressure Controls PS1 TÜV (EN 12263)

Type	Part No.	Adjustment Range		Lowest Setpoint (bar)	Factory Setting (bar)	Leakage Test Pressure (bar)	Pressure Connection
		Upper Setpoint (bar)	Differential (bar)				
Pressure Limiter for Low Pressure Protection PSL - Automatic Reset							
PS1-W3A	4 368 300	-0.5 ... 7	0.5 ... 5	-0.9	3.5 / 4.5	24	7/16"-20 UNF
PS1-W3U	4 713 437						solder tube 6 mm
Pressure Cut Out for Low Pressure Protection PZL - External Manual Reset							
PS1-B3A	4 470 400	-0.5 ... 7	Reset Approx. 1 bar Above Setpoint	-0.9	3.5	24	7/16"-20 UNF
PS1-B3U	4 715 141						solder tube 6 mm
Pressure Limiter for High Pressure Protection PSH - Automatic Reset							
PS1-W5A	4 353 200	6 ... 31	2 ... 15	3	16 / 20	35	7/16"-20 UNF
PS1-W5U	4 713 439						solder tube 6 mm
Pressure Cut Out for High Pressure Protection PZH - External Manual Reset							
PS1-B5A	4 353 300	6 ... 31	Reset Approx. 3 bar Below Setpoint	-	20	35	7/16"-20 UNF
PS1-B5U	4 712 332						solder tube 6 mm
Safety Pressure Cut Out for High Pressure Protection PZHH - Internal Manual Reset (with tool)							
PS1-S5A	4 368 400	6 ... 31	Reset Approx. 3 bar Below Setpoint	-	21	35	7/16"-20 UNF
PS1-S5U	4 711 591						solder tube 6 mm

Technical Data PS1/PS2/CS1

Type of Contacts	- PS1/CS1: 1 x SPDT contact - PS2: 2 x SPDT contacts
Resistive load (AC1) **Inductive load (AC15)** **Inductive load (DC 13)**	24 A / 230 V AC 10 A / 230 V AC 0.1 A / 230 V DC 3 A / 24 V DC 6 A / 12 V DC
Motor rating UL (FLA) **Startup / Locked Rotor UL**	24 A / 120 / 240 V AC 144 A / 120 / 240 V AC

Medium Compatibility	HFC, HCFC, HFO/HFO Blends, A2L*, CO_2 (CS1 only)
Protection Acc. EN 60529 / IEC 529	IP 44
Ambient Temperature Range **Max. Temperature at Pressure Connection**	-50 ...+70°C +70°C
Cable Entry	Grommet PG 16
Locking Device	Blocking Plate
Mounting Screws	M4 / UNC 8-32

Note: For A2L applications please check the Operating Instructions.