

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



Standards

- per Low Voltage Directive
- per PED Directive. TÜV appr. versions only
- Underwriter Laboratories (File Nr. E85974)
- 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	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 Barb Below Setpoint	-	21	35	7/16"-20 UNF
PS1-S5U	4 711 591						solder tube 6 mm

Technical Data PS1 / PS2

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

Medium Compatibility	HFC, HCFC, HFO/HFO Blends (refrigerant safety group A1)
Protection Acc. EN 60529 / IEC 529	IP 44
Ambient Temperature Range Max. Temperature at Pressure Connection	-50°C .. +70°C +70°C
Cable Entry	Grommet PG 16
Locking Device	Blocking Plate
Mounting Screws	M4 / UNC 8-32