

Parker Product Datasheet



The PS1E series valve is an internal air piloted stacking style valve with plug-in coils. Available valve functions are 3/2, and 5/2 single and double solenoid. Each valve is individually wired. Surge suppressors with an indicating LED are available.

PART NUMBER: PS1-E121
FUNCTION: 3/2 Way Normally Open
PORT TYPE: Push-in Ø 4mm
SERIES: Electro-Pneumatic Module

PRODUCT OVERVIEW

The PS1E series valve is an internal air piloted stacking style with plug-in coils. Available valve functions are 3/2, and 5/2 single and double solenoid. Each valve is individually wired with a separate conductor. Surge suppressors with an indicating LED are available and are mounted between the coil and the valve body. Internal pilot operation means the supply pressure on the #1 port is directed to the end of the valve where the solenoid operator, when actuated, allows the supply pressure to pass, which is then applied to the piston to shift the spool.

Markets

- Miscellaneous Processing
- Factory Automation

Features/Benefits

- Various manual override
- Voltages ranges
- High flow
- Low power

- Mobile version
- Food version

Applications

- Valve piloting
- Small actuator piloting
- Blowing

TECH SPECIFICATIONS

DIVISION	Electric Motion and Pneumatic Division - Europe
SPECIFICATIONS MET	n/a
SPECIFICATIONS MET	IP20
MEDIA	Air
BODY MATERIAL	Glass Filled Polyamide
SEAL MATERIAL	Poppet: Polyurethane Seals: Nitrile (Buna N)
OPERATING TEMPERATURE	-15 to +60 °C
OPERATING TEMPERATURE	+5 to +140 °F
MAXIMUM FLOW RATE	0.16 Cv
MAXIMUM FLOW RATE	n/a
PORT SIZE	4mm
MOUNTING TYPE	Stacking
VALVE TYPE	-
ACTUATION TYPE	Solenoid Air Operated
POWER CONSUMPTION	1.2W, 1.6VA
INPUT VOLTAGE	12 to 48VDC, 120/240VAC
ELECTRICAL CONNECTION	terminal strip
PRESSURE RATING	3 to 8.2 bar
PRESSURE RATING	40 to 120 psig
MINIMUM OPERATING PRESSURE	40 psig

PORT TYPE	Tube Push-In Connections
MINIMUM FLOW RATE	0.14 Cv
LUBRICANT	Lubricated or Non-Lubricated air
NUMBER OF MANIFOLD OUTLETS	n/a
NOMINAL FLOW COEFFICIENT	n/a
NUMBER OF PORTS	3
OVERRIDE FUNCTIONALITY	Non-Locking and Locking Manual Overrides
NUMBER OF POSITIONS	2
FIELDBUS PROTOCOL	n/a