Proximity direct mound solenoid valves come lubricated and are designed for long life. These solenoid valves are specially designed to be easy to install on pneumatic actuators. The solenoids come equipped with Buna-N O-Rings to seal the valve ports to the body of the actuator. These units can be used with either spring return or double acting actuators where on/off electric operation is required. Standard features include a manual override and safety position by mechanical spring.

**OPERATION**

Port 1 is the supply port and ports 3 and 5 are the exhaust ports. The exhaust port may be equipped with silencers or speed controls to control the actuation time. Ports A and B are the actuator input ports. In the normal position air goes from the supply port (port 1) to port B. During solenoid activation the flow will be from the supply port to port A.

**MOUNTING PATTERNS**
The Proximity solenoid valve comes with standard NAMUR Mounting.

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**SPECIFICATIONS**
- **Power Requirements:** 120 VAC, 240 VAC, 24 VAC, 24 VDC, or 12 VDC.
- **Supply Pressure:** 20 psi (1.4 bar) to 120 psi (8.3 bar).
- **Air Connections:** 1/4˝ female NPT.
- **Temperature Limits:** -40 to 140°F (-40 to 60°C).
- **Electrical Connections:** Screw terminal.
- **Conduit Connection:** 1/2˝ female NPT.
- **Enclosure Rating:** NEMA 4X.
- **Mounting:** NAMUR VDI/VDE 3845.
- **Standard Features:** Manual override, mechanical spring safety position.

**INSTALLATION**
Note: Make sure that Port O-Rings are correctly placed inside O-Ring groove.

1. Affix solenoid valve to actuator and tighten screw to 70 in-lbs.
2. Disconnect solenoid wire hood.
3. Energize solenoid valve several times and test for leaks and proper operation. Note: Solenoid nut should be hand tight.

**MANUAL OVERRIDE**
The Proximity solenoid valve comes equipped with a manual override. A small screw head located between the valve body and the coil allows for the overriding of the solenoid if necessary. The normal position for the screw head is pointing toward the 0. Rotation of the screw head in the counter clockwise direction will manually override the solenoid and lock the solenoid in the disengaged position until the screw head is returned to its original position.

**Solenoid Classification**
The Proximity solenoid valve is designed to the NEMA 4 and 4X standard.

**NEMA 4, 4X:** Watertight and Dust tight - indoor and outdoor. Protects against windblown dust, rain, splashing water and hose directed water. Also corrosion resistant.