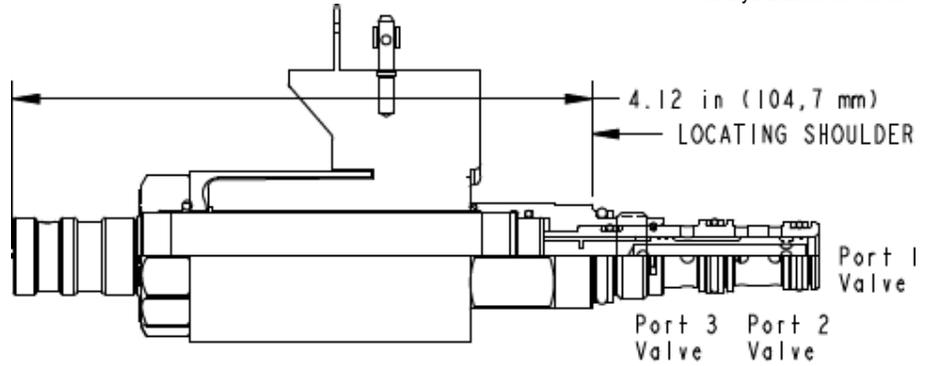


P-Control, N-Spool



CONFIGURATION

| | | |
|-------------|---------------------|-------------------------------------|
| P | Control | Manual Pull Override |
| N | Spool Configuration | Normally Open 2 to 3, Closed 1 to 2 |
| N | Seal Material | Buna-N |
| 224L | Coil | DIN 43650-Form A, 24 VDC, low power |

This FLex Series solenoid-operated 3-way, 2-position cartridge is a direct-acting, balanced spool directional valve.

TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

| | |
|---|-----------------------|
| Maximum Operating Pressure | 210 bar |
| Typical Valve Leakage at 110 SUS (24 cSt) from port 1 to port 3 | 50 cc/min.@210 bar |
| Response Time - Typical | 50 ms |
| Switching Frequency | 15,000 max. cycles/hr |
| Seal kit - Cartridge | Buna: 990150007 |
| Seal kit - Cartridge | Viton: 990150006 |

NOTES

- Please verify cartridge clearance requirements when choosing a Sun manifold. Different valve controls and coils require different clearances.
- An additional 2.00 inches (50,8 mm) beyond the valve extension is needed for coil installation and removal.

CONFIGURATION OPTIONS

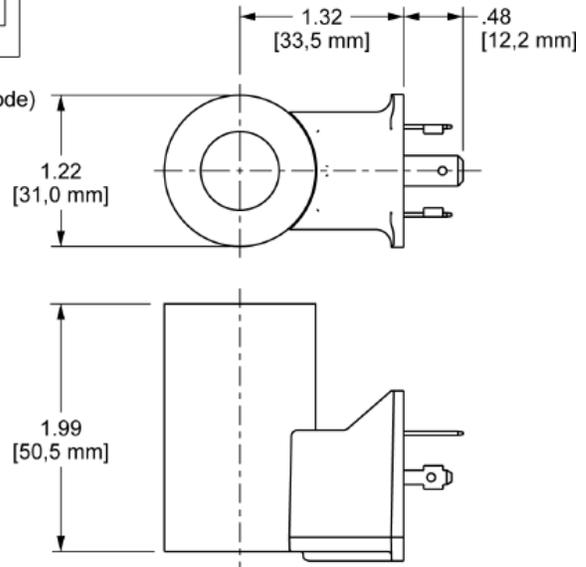
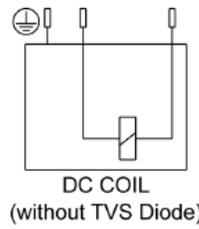
Model Code Example: DMBDPNN224L

| CONTROL | (P) SPOOL CONFIGURATION | (N) SEAL MATERIAL | (N) COIL * (224L) |
|-------------------------------|--|---------------------------------|---|
| P Manual Pull Override | N Normally Open 2 to 3, Closed 1 to 2 | N Buna-N | 224L DIN 43650-Form A, 24 VDC, low power |
| X No Manual Override | A Normally Open 1 to 2, Closed 2 to 3 | E EPDM V Viton | No coil |

* Additional coil options are available



CONFIGURATION



TECHNICAL DATA

| | |
|---|--|
| Operating Temperature Range | -40 to 110 °C |
| Arc Suppression (TVS) | None |
| Power Consumption (cold) - at rated voltage | 17 Watts |
| Maximum Ambient Temperature | 100 °C |
| Voltage/Frequency | 24 VDC |
| Operating Voltage Range | +10%/-15% |
| Duty Cycle Rating | 100 % |
| Connector | ISO4400 - EN/DIN175301-803, Form A (ISO/DIN 43650) 3-pin |
| Coil Nut Torque | 0,5 Nm |

USED WITH

| | | | | | | | | | |
|-----------|--------|--------|------|-----------|-----------|-----------|-----------|-----------|-----------|
| DBAF | DBAFS | DFBD | DFBE | DMBD | DNBD | DTAF | DTAFS | DTBF | FPBD |
| FPBE | FPBM | FPBN | RPEI | 991711300 | 991711600 | 991712300 | 991712600 | 991713030 | 991713060 |
| 991740002 | XMD-01 | XMD-02 | | | | | | | |