



Directional Valves with Solenoids

4WE6J2/EG 24N9K4

URL:<https://www.sxplc.com/directional-valves-with-solenoids-4we6j2-eg-24n9k4>

Product data sheet

| General | | | |
|--|------------------------|---|---|
| Installation | | | Optional |
| Ambient temperature | | °C (°F) | -30 to +50 (-22 to +122) – NBR seals -20 to +50 (-4 to +122) – FKM seals |
| Weight | Valve with 1 solenoid | kg (lbs.) | 1.45 (3.2) |
| | Valve with 2 solenoids | kg (lbs.) | 1.95 (4.3) |
| Hydraulic | | | |
| Max. operating pressure | Ports A, B, P | bar (PSI) | 350 (5100) |
| | Ports T | bar (PSI) | 210 (3050) – DC; 160 (2320) – AC With symbols A and B, port T must be used as a drain port if the operating pressure is above the permitted tank pressure. |
| Max. flow | | L/min (GPM) | 80 (21) – DC; 60 (15.8) – AC |
| Flow cross-section (switched position 0) | For symbol Q | mm ² (in ²) | Approx. 6% of the nominal cross-section |
| | For symbol W | mm ² (in ²) | Approx. 3% of the nominal cross-section |
| Pressure fluid | | Mineral oil (HL, HLP) to DIN 51524 ¹⁾ ; Fast bio-degradable pressure fluids to VDMA 24568 (also see RE 90221); HETG (rape seed oil) ¹⁾ ; HEPG (polyglycols) ²⁾ ; HEES (synthetic ester) ²⁾ ; Other pressure fluids on request | |
| Pressure fluid temperature range | | °C °F) | -30 to +80 (-22 to +176) – NBR seals -20 to +80 (-4 to +176) – FKM seals |
| iscosity range | | mm ² /s (SUS) | 2.8 to 500 (35 to 2320) |
| ISO code cleanliness class | | Maximum permissible degree of contamination of fluid to ISO 4406 (c) class 20/18/15 ³⁾ | |
| Electrical | | | |
| Voltage type | | DC | AC 50/60 Hz |
| Available voltages ⁴⁾ (for ordering details of AC solenoids see below) | | V | 12, 24, 96, 205 110, 230 |
| Voltage tolerance (nominal voltage) | | % | ± 10 ± 10 |
| Power consumption | | W | 30 – |
| Holding power | | VA | – 50 |
| Switch-on power | | VA | – 220 |
| Duty | | Continuous Continuous | |
| Switching time to ISO 6403 | ON | ms | 25 to 45 10 to 20 |
| | OFF | ms | 10 to 2 15 to 40 |
| Switching frequencies | | Cycles/h | UP to 15000 UP to 7200 |
| Protection to DIN EN 60529 ⁵⁾ | | IP 65 IP 65 | |
| Max. coil temperature ⁶⁾ | | °C (°F) | 150 (302) 180 (356) |

