



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)

