



## **Directional Valves with Solenoids**

### **4WE6J2/EG 24N9K4**

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

**Product data sheet**

<b>General</b>			
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)
<b>Hydraulic</b>			
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 <sup>2</sup> (in <sup>2</sup> )	Approx. 6% of the nominal cross-section
	For symbol W	mm <sup>2</sup> (in <sup>2</sup> )	Approx. 3% of the nominal cross-section
Pressure fluid	Mineral oil (HL, HLP) to DIN 51524 <sup>1)</sup> ; Fast bio-degradable pressure fluids to VDMA 24568 (also see RE 90221); HETG (rape seed oil) <sup>1)</sup> ; HEPG (polyglycols) <sup>2)</sup> ; HEES (synthetic ester) <sup>2)</sup> ; 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	
viscosity range		mm <sup>2</sup> /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 <sup>3)</sup>		
<b>Electrical</b>			
Voltage type		DC	AC 50/60 Hz
Available voltages <sup>4)</sup> (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
	OFF	ms	10 to 2
Switching frequencies		Cycles/h	UP to 15000
Protection to DIN EN 60529 <sup>5)</sup>			IP 65
Max. coil temperature <sup>6)</sup>	°C (°F)		150 (302)
			180 (356)

