



### PERFORMANCE SPECIFICATION

Mounting Pattern	ISO 03 /NFPA D03 /Cetop 03/NG 06	
Maximum Operating Pressure	210 kgf/cm <sup>2</sup> (3000 PSI)	
Maximum Tank Line Back Pressure	70 kgf/cm <sup>2</sup> (1000 PSI)	
Current	2.4A (DC 12V )	
	1.2A (DC 24V)	
Power Consumption	26.0 Watts	
Permissible Voltage Change	Voltage	Duty Cycle
	12V DC	-10% ~ +10% Continuous
		+11% ~ +20% 75% for 5 minutes for each energizing
		+21% ~ +30% 50% for 3 minutes for each energizing
	24V DC	-10% ~ +10% Continuous
		+11% ~ +20% 75% for 5 minutes for each energizing
+21% ~ +30% 50% for 3 minutes for each energizing		
Insulation	Class H	
Surge Protection	Option Built-in Diode, Surge Voltage < 1 voltage	
Permissible Contamination Level	With NAS 1638 Class 12(ISO 21/18)	
Operation Fluid and Temperature	Hydraulic Oil: -25°C ~ +90°C (-13°F ~ +194°F)	
	Engine Oil: -30°C ~ +100°C (-22°F ~ +212°F)	
	ATF Dexron: -30°C ~ +130°C (-22°F ~ +266°F)	
Vibration Tolerance	JIS D1601 Type-3 Class-D Stage-7 @ 0.4mm(0.016 inch) displacement @ 6.8G @ 66.7 HZ *3 Directions	
Waterproof Tolerance	JIS 0203S2 To immerse in 30°C (86°F) water @ 100mm(3.94inch) in 10 minutes	
Maximum Frequency of Operation	250 cycles/minute	
Response Time	≤ 50 msec on	
	≤ 100 msec off	
Corrosion Resistance Treatment	Zinc Phosphate Compound	
Weight	1.6kg(3.5Lbs.)	

## MODEL NUMBER

**SWM- G02 - C4 - D12 - 30 - S0- 01**

### LEADWIRE and CONNECTION

■ **01** (Consult Northman for Customized Design)

### OPTIONS

■ **S0** (Push Rod solenoid end. W/O Dust Cover and Diode)

■ **S1** (Push Rod both ends, with Dust Cover and Diode)

■ **S2** (Push Rod both ends, with Dust Cover, W/O Diode)

### PUSH-PULL COIL SERIES

■ **30**

### VOLTAGE

■ **D12** (12 VDC)

■ **D24** (24 VDC)

### SPOOL CONFIGURATION

APPLICATION	TYPE	GRAPHIC SYMBOLS
THREE POSITION SPRING CENTERED	<b>C2</b>	
	<b>C3</b>	
	<b>C4</b>	
	<b>C40</b>	
	<b>C5</b>	
	<b>C6</b>	
	<b>C60</b>	
	<b>C7</b>	
	<b>C8</b>	
	<b>C9</b>	
	<b>C5S</b>	
	<b>C8S</b>	
	<b>C9S</b>	

### SERIES

■ **G02** (ISO 03/NFPA D03/NG6)

### MOUNTING PATTERN

■ **SWM** (Mobile Transmission and Hydraulic valve)

## INSTALLATION DIMENTION

Unit: mm (inch)

