## **Solenoid Valves**

## SV10-24-06

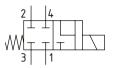
Solenoid Valve, 4-way, 2-position, Spool Type

230 bar [3300 psi] • 30 l/min [8 US gpm]

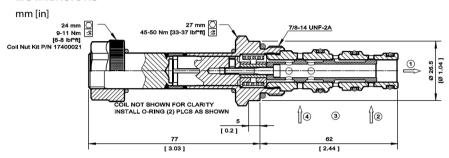
## **OPERATION AND DESCRIPTION**

This is a 4-way, 2-position, spool type, direct acting solenoid valve. In the de-energized condition, all ports are blocked. When energized, port 3 and 4 are open to 1 and port 3 is blocked. These valves can be used to switch a motor into a free-wheeling mode or a cylinder into a float condition. Always check the operating envelope to make sure the valve will work under the required application conditions. Port 1 is not intended for use as inlet (Tank only).

### **SCHEMATIC**



### **DIMENSIONS**



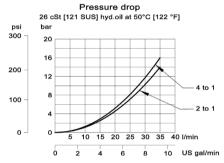
## **■ PERFORMANCE DATA**

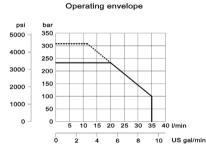
Rated Pressure*	230 bar [3300 psi]**	
Flow Capability	30 l/min [8 US gpm]	
Coil Options	M16, R16	
Weight	0.45 kg [1.0 lb]	
Cavity	SDC10-4	

<sup>\*</sup>Rated Pressure based on NFPA fatigue test standards (at 1 million cycles)

\*\*Valve can operate with an inlet pressure of 315 bar [4600 psi] at port 3

## PERFORMANCE CURVES





# 0 2 4 6 8 10 US gal/min —— Rated per NFPA T 2.6.1 at 1 million cycles Rated per NFPA T 2.6.1 at reduced operational life

## ■ MODEL CODE

for 400,000 cycles.

## SV10 - 24 - 06 - 12D - DE - B - 6S

## **Coil Voltage**

Standard Coil Code	Robust Coil Code	Coil Voltage
00	ROO	No Coil, nut included*
10D	R10D	10 VDC
12D	R12D	12 VDC
20D	R20D	20 VDC
24D	R24D	24 VDC
110A		110 VAC**
220A		220 VAC**

<sup>\*</sup>Standard Coil - Plastic coil nut and o-rings (p/n 17400021)

### Connector Type

Standard Coil Code	Robust Coil Code	Connector Type
00	00	No Coil
AJ		Amp Junior
AJD		Amp Junior with Diode
AS	AS	AMP SuperSeal 1.5
ASD	ASDB*	AMP SuperSeal with Diode
DE	DE	Deutsch
DED	DEDB*	Deutsch with Diode
FL	FL	Flying Leads
FLD	FLDB*	Flying Leads with Diode
DN		DIN 43650
W		

<sup>\*</sup>Bi-directional diode

### Housing

Code	Ports	Housing Model Code
00	No Housing	
6S	#6 SAE, AL	CP10-4-6S
85	#8 SAE, AL	CP10-4-8S
S8S	#8 SAE, Steel	CP10-4-S8S
L3B	3/8 BSP, AL	SDC10-4-L3B
L4B	1/2 BSP, AL	SDC10-4-L4B
S4B	1/2 BSP, Steel	CP10-4-S4B

<sup>\*</sup> A luminum bodies are to be used for pressures less than 210 bar [3000 psi].

#### Seal Option

Code	Seal kit
<b>B</b> -Buna - N	354001919
<b>V</b> -Viton	354002019

<sup>\*</sup>Robust Coil – Steel coil nut and 0–11119s (p/11 17400021)

<sup>\*\*</sup>DIN only - external rectifier needed

<sup>\*</sup> Additional housings available