Solenoid Valves

SV10-24-01

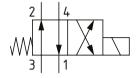
Solenoid Valve, 4-way, 2-position, Spool Type

230 bar [3300 psi] • 35 l/min [9 US gpm]

OPERATION AND DESCRIPTION

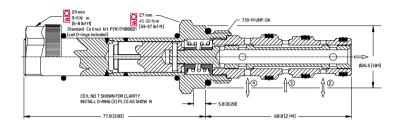
This is a 4-way, 2-position, spool type, direct acting solenoid valve. In the de-energized, condition port 3 is open to 2 and port 4 to 1. When energized port 3 is open to 4 and port 2 to 1. These valves are used to control the movement of cylinders or motors able to reverse the motion. Always check the operating envelope to make sure the valve will work under the required application conditions. Port 1 is not intended for use as an inlet (Tank only).

■ SCHEMATIC



DIMENSIONS

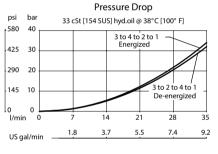
mm [in]

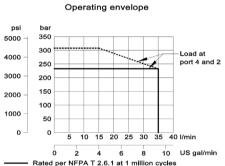


■ PERFORMANCE DATA

Rated Pressure* 230 bar [3300 psi]** 35 I/min [9 US gpm] **Flow Capability Coil Options** M16, R16 Weight 0.45 kg [0.99 lb] Cavity SDC10-4

■ PERFORMANCE CURVES





Danfoss

Rated per NFPA T 2.6.1 at 1 million cycles Rated per NFPA T 2.6.1 at reduced operational life

MODEL CODE

SV10 - 24 - 01 - 12D - DE - B - 6S

Coil Voltage

Robust Coil Code	Coil Voltage
R00	No Coil, nut included*
R10D	10 VDC
R12D	12 VDC
R20D	20 VDC
R24D	24 VDC
	110 VAC**
	220 VAC**
	Coil Code R00 R10D R12D R20D

^{*}Standard Coil - Plastic coil nut and o-rings (p/n 17400021)

Connector Type

Standard Coil Code	Robust Coil Code	Connector Type
00	ROO	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
*Bi-directional diode		

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

^{*} Aluminum bodies are to be used for pressures less than 210 bar [3000 psi].

Seal Option

Code	Seal kit
B -Buna - N	354001919
V -Viton	354002019

^{*}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 for 400,000 cycles.

^{*}Robust Coil - Steel coil nut and no o-rings (p/n 173804910)

^{**}DIN only - external rectifier needed

^{*} Additional housings available