Solenoid Valves

HSV08-34-05

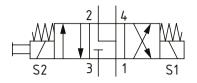
Solenoid Valve, 4-way, 3-position, Spool Type

350 bar [5000 psi] • 17 l/min [4.5 US gpm]

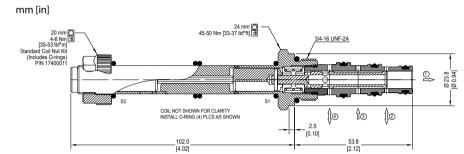
OPERATION AND DESCRIPTION

This is a 4-way, 3-position, spool type, direct acting solenoid valve. In the center condition, ports 2, 4 and 1 are open while port 3 is blocked. By energizing one coil, port 3 opens to 2 and port 4 to 1. When energizing the other coil, port opens port 3 to 4 and port 2 to 1. This valve provides a directional control function with a neutral de-energized state allowing the work ports to be referenced to tank, removing locked in pressure with the inlet port 3 closed. It can be used in any hydraulic application where an actuator needs to be controlled in both directions. 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

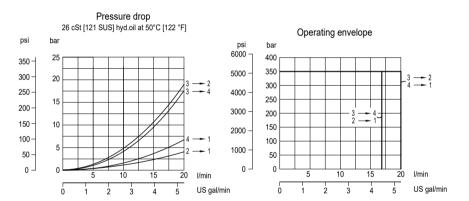


■ PERFORMANCE DATA

Rated Pressure*	350 bar [5000 psi
Flow Capability	17 l/min [4.5 US gpm]
Coil Options	M13, R13
Weight	0.55 kg [1.21 lb]
Cavity	SDC08-4

^{*}Rated Pressure based on NFPA fatigue test standards (at 1 million cycles)

PERFORMANCE CURVES



MODEL CODE

HSV08 - 34 - 05 - <u>12D</u> - <u>DE</u> - PN - <u>P</u> - <u>S3B</u>

Coil Voltage Robust Coil Code Coil Voltage Standard Coil Code 00 R00 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**

- *Standard Coil Plastic coil nut and o-rings (p/n 17400011)
- *Robust Coil Steel coil nut and no o-rings (p/n 173800539)
- **DIN only external rectifier needed

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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 Diod		
DE	DE	Deutsch		
DED	DEDB*	Deutsch with Diode		
FL	FL	Flying Leads		
FLD	FLDB*	Flying Leads with Diode		
DN		DIN 43650		

Connector Type

*Bi-directional diode

Housing

Code	Ports	Housing Model Code
00	No Housing	
S3B	3/8 BSP, Steel	CP08-4-S3B
S6S	#6 SAE, Steel	CP08-4-S6S

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

Danfoss

* Additional housings available

Seal Option

Code	Seal kit
P -Polyurethane Single Seal	11167316