

## DSG Solenoid Operated Directional Control Valves

DSG-01, 03-AC (AC) Terminal box type

How to order



F-	DSG	-01	-2	B	2	A
Special seal	Series DSG:	Nominal size	Position No.	Spool type	Spool function	spring bias and center
F: Phosphate ester fluid	Solenoid operated directional control valves Sub-plate type	01 03	3 2	C: Spring center D: No spring location B: Spring bias	2,3,4,40,60,9,10,12 2 2 3 8	- - A B

DSG-01, 03-DC (DC,RF) Terminal box type



-D24	-C	-N	-50	-L
Coil model	Manual operation	Electric connection	Design	Electromagnet upside down mounting
AC A100, A120, A200, A240 DC D12, D24, D100 AC → DC R100, R200	-: with manual panel C: with manual lock button (optional)	-: Terminal box type N: DIN type (optional) N: with pilot lamp DIN type(optional)	50	- L: upside down mounting
AC D12, D24, D100 AC → DC R100, R200				- L: upside down mounting

DSG-01, 03-AC (AC) D: DIN type



Spool type and symbol

3 position spring center	ISO Standard assembly		2 position spring center	ISO Standard assembly		2 position spring center	ISO Standard assembly	
	a	b		a	b		a	b
3C2	a	b	2D2	a	b	2D2A	a	b
3C3	a	b	2D3	a	b	2D3A	a	b
3C4	a	b	2D7	a	b	2D4A	a	b
3C40	a	b	2D8	a	b	2D40A	a	b
3C5	a	b	2 position spring center	ISO Standard assembly		2D5A	a	b
3C60	a	b	2B2		b	2D7A	a	b
3C7	a	b	2B3		b	2D9A	a	b
3C8	a	b	2B8		b	2D10A	a	b
3C9	a	b	2 position spring center	ISO Reverse assembly		2D11A	a	b
3C10	a	b	2B2L	a		2D12A	a	b
3C11	a	b	2B3L	a				
3C12	a	b	2B8L	a				

DSG-01, 03-DC (DC,RF) D: DIN type



## DSG Solenoid Operated Directional Control Valves

2 position spring center	ISO Standard assembly	2 position spring center	ISO Reverse assembly	2 position spring center	ISO Standard assembly	2 position spring center	ISO Reverse assembly
2B2A	a b	2B2AL	a	2B2B	a b	2B2BL	a
2B3A	a b	2B3AL	a	2B3B	a b	2B3BL	a
2B4A	a b	2B4AL	a	2B4B	a b	2B4BL	a
2B40A	a b	2B40AL	a	2B40B	a b	2B40BL	a
2B5A	a b	2B5AL	a	2B5B	a b	2B5BL	a
2B60A	a b	2B60AL	a	2B60B	a b	2B60BL	a
2B7A	a b	2B7AL	a	2B7B	a b	2B7BL	a
2B8A	a b	2B8AL	a	2B8B	a b	2B8BL	a
2B9A	a b	2B9AL	a	2B9B	a b	2B9BL	a
2B10A	a b	2B10AL	a	2B10B	a b	2B10BL	a
2B11A	a b	2B11AL	a	2B11B	a b	2B11BL	a
2B12A	a b	2B12AL	a	2B12B	a b	2B12BL	a

Coil specification

Size	Electric source	Coil type	Freq(HZ)	Voltage(V)		Current & power at rated voltage		
				Rated source	Service range	Inrush(A)	Holding(A)	Power(W)
Coil-02 NG6	AC	A110	50	100	90-110	2.268	0.504	32
			60	100	90-115	1.638	0.364	
			110	99-126	1.962	0.435		
		A120	50	110	99-121	2.009	0.446	
			60	120	108-138	1.904	0.378	
			200	180-220	1.239	0.275		
		A220	60	200	180-220	0.885	0.196	
			220	198-253	1.060	0.235		
			220	198-242	1.058	0.235		
		A240	60	240	216-274	0.897	0.196	
			50	100	90-115	0.308	0.308	
			60	110	99-126	0.333	0.333	
	R110	50	200	180-220	0.140	0.140		
		60	220	198-253	0.153	0.153		
60		220	198-253	0.153	0.153			
DC	D12	12	10.8-13.2	2.170	2.170			
	D24	24	21.6-26.4	1.210	1.210			
Coil-03 NG10	AC	A110	50	100	90-110	4.039	0.734	38
			60	100	90-115	3.286	0.597	
			110	99-126	3.729	0.678		
		A120	50	110	99-121	3.560	0.654	
			60	120	108-138	3.292	0.598	
			200	180-220	2.014	0.371		
		A220	60	200	180-220	1.692	0.300	
			220	198-253	1.885	0.343		
			220	198-242	2.492	0.453		
		A240	60	240	216-274	2.158	0.392	
			50	100	90-115	0.364	0.364	
			60	110	99-126	0.398	0.398	
	R110	50	200	180-220	0.169	0.169		
		60	220	198-253	0.184	0.184		
60		220	198-253	0.184	0.184			
DC	D12	12	10.8-13.2	3.320	3.320			
	D24	24	21.6-26.4	1.440	1.440			