LOGIC VALVES

Solenoid Operated Directional Control Logic Valves

These solenoid operated directional control logic valves are composed of directional control valves and solenoid operated directional valves combined together. The solenoid operated directional valves serve to switch pilot lines and the directional control valves are used to control the direction of the main circuits. Covers provided with various control valves are available to provide optimum control.



Size 50 63

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Specifications

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Model No.	Rated Flow L/min (U.S.GPM)	Max. Operating Pressure MPa (PSI)	Cracking Pressure MPa (PSI)	Ratio of Poppet Area	Approx. Mass kg(lbs.)			9			
LDS-25	350 (92.5)	-	Refer to) Model No. Designation		4.2 (9.3)	List of C	Cover Types				
LDS-32	500 (132)				6.5 (14.3)	Cover Type Designation	Graphic		Valve		
LDS-40	850 (225)	31.5 (4570)			10.3 (22.7)		Symbols	25	32	40	
LDS-50	1400 (370)				18.6 (41.0)	Normally	M X B				
LDS-63	2100 (555)				33.6 (74.1)						
	ote: The rated flow is values with a pressure drop of 0.3 MPa (44 PSI) [fluid viscosity 35mm ² /s (164 SSU)].					Closed (1)		0	0	0	
		0	Designation X 05- A100- C - N - 14 Design No. LDS-25, 32, 4014 LDS-50, 6313 Type of electrical conduit connection None: Terminal box N: Plug-in connector Type of manual override pin C: Push button and lock nut (Option) Coil type				en X B B B B B B B B B B B B B B B B B B	0	0	0	
						Normally Closed with Shuttle Valve (3)	- + + +	0	0	0	
			D*: DC, RQ*: AC-		→DC rectified →DC rectified ck return) t B t X	 Normally Ope with Shuttle Valve (4) 	1 1 The The second seco	0	0	0	
								1	1 /		

None: With solenoid operated valve

O: Without solenoid operated valve

Cover type (See the table right) 1, 2, 3, 4, 5, 6

★ Applicable only for LDS-50, 63.

Poppet shape

Cracking pressure (A→B) None: No spring 05: 0.05 MPa (7 PSI)

20: 0.2 MPa (29 PSI)

Solenoid operated directional control logic valve

Valve Size: 25, 32, 40, 50, 63

None: Without cushion S: With cushion

Note: In case of LDS-*-*-*-O (without solenoid operated valve), the graphic symbol for the solenoid operated valve is excluded.

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Normally

Closed with

Shuttle Valve

(5)

Normally

Open with

Shuttle Valve (6)