



This solenoid-operated 3-way, 2-position cartridge is a direct-acting, balanced spool directional valve.

CONFIGURATION

D	Control	Twist/Lock (Dual) Manual Override
A	Spool Configuration	Normally Open 1 to 2, Closed 2 to 3
N	Seal Material	Buna-N
(none)	Coil	No coil

TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Maximum Operating Pressure	350 bar
Response Time - Typical	50 ms
Maximum Valve Leakage at 110 SUS (24 cSt)	80 cc/min. @210 bar
Switching Frequency	15000 cycles/hr
Manual Override Force Requirement	33 N/100 bar @ Port 1
Manual Override Stroke	2,5 mm
Seal kit - Cartridge	Buna: 990411007
Seal kit - Cartridge	EPDM: 990411014
Seal kit - Cartridge	Viton: 990411006

NOTES

- Please verify cartridge clearance requirements when choosing a Sun manifold. Different valve controls and coils require different clearances.
- An additional 2.00 inches (50,8 mm) beyond the valve extension is needed for coil installation and removal.

CONFIGURATION OPTIONS

Model Code Example: DMDADAN

CONTROL	(D) SPOOL CONFIGURATION	(A) SEAL MATERIAL	(N) COIL *
D Twist/Lock (Dual) Manual Override	A Normally Open 1 to 2, Closed 2 to 3	N Buna-N	No coil
M Manual Override	N Normally Open 2 to 3, Closed 1 to 2	E EPDM	212 DIN 43650-Form A, 12 VDC
X No Manual Override	B Normally Open 1 to 2, Closed 2 to 3, Closed Transition	V Viton	224 DIN 43650-Form A, 24 VDC
L Twist/Lock (Detent) Manual Override	P Normally Open 1 to 3, Closed 1 to 2		712 Twin Lead, 12 VDC
T Twist (Momentary) Manual Override	R Normally Open 2 to 3, Closed 1 to 2, Closed Transition		724 Twin Lead, 24 VDC
			912 Deutsch DT04-2P, 12 VDC
			924 Deutsch DT04-2P, 24 VDC

* Additional coil options are available