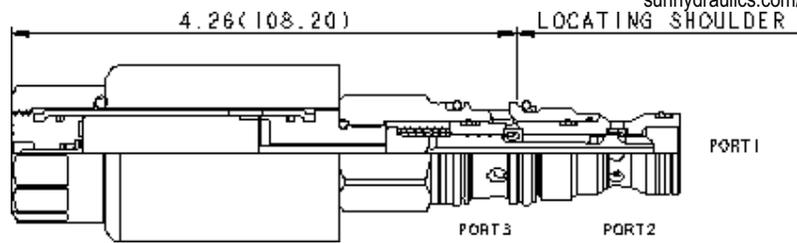


M or S-Control, A-Spool



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

CONFIGURATION

M	Control	Manual Override
A	Spool Configuration	Normally Open 1 to 2, Closed 2 to 3
N	Seal Material	Buna-N
912	Material/Coating	
(none)	Coil	No coil

TECHNICAL DATA

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

Maximum Operating Pressure	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	80 cc/min.@210 bar
Manual Override Force Requirement	33 N/100 bar @ Port 1
Manual Override Stroke	2,5 mm
Response Time - Typical	50 ms
Switching Frequency	15,000 max. cycles/hr
Seal kit - Cartridge	Buna: 990411007
Seal kit - Cartridge	EPDM: 990411014
Seal kit - Cartridge	Viton: 990411006

NOTES

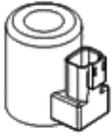
- Please verify cartridge clearance requirements when choosing a Sun manifold. Different valve controls and coils require different clearances.
- An additional 2.00 inches (50,8 mm) beyond the valve extension is needed for coil installation and removal.

CONFIGURATION OPTIONS

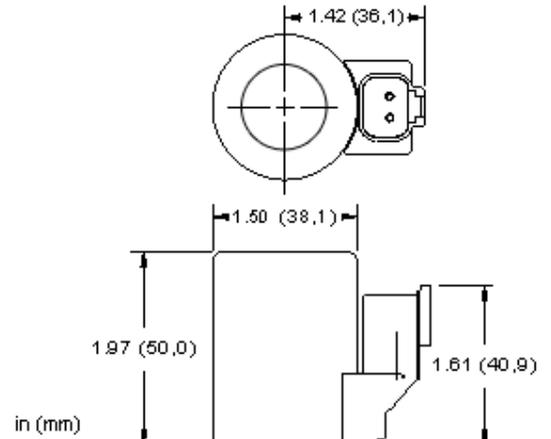
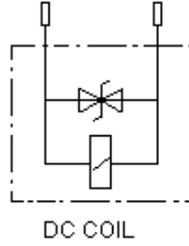
Model Code Example: DMDAMAN912

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

* Additional coil options are available



CONFIGURATION



TECHNICAL DATA

Maximum Coil Temperature at 68°F (20°C) Ambient	218°F (105°C)
Arc Suppression (TVS)	Included
Power Consumption (cold) - at rated voltage	22 watts
Maximum Ambient Temperature	50 °C
Voltage/Frequency	12 VDC
Operating Voltage Range	+/- 10% nominal
Duty Cycle Rating	100 %
Connector	Deutsch DT04-2P
Connector Environment Rating	IP69K
Coil Nut Torque	0,5 Nm

USED WITH

DMDA	DMDAS	DNCA	DNDA	DNDAS	DNDC	DNDY	DNDYS	FMDA	FMDB
FPCC	FPCH	FPFK	FPHK	HDDA	PRDM	PRDN	PSDL	PSDP	RBAN
RBAP	991723001	991723002							