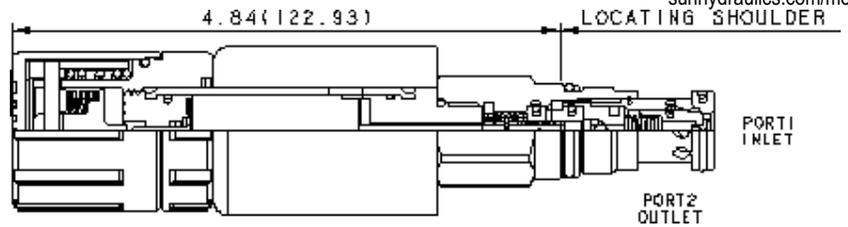


T-Control, C-Poppet



This solenoid controlled, 2-way, 2-position cartridge is a pilot-operated, poppet style directional valve with reverse free flow check. It is available in either a normally open or normally closed configuration. Due to its poppet style construction, it has extremely low leakage.

**CONFIGURATION**

<b>T</b> Control	Twist (Momentary) Manual Override
<b>C</b> Poppet Configuration	Normally Closed
<b>N</b> Seal Material	Buna-N
<b>224</b> Coil	DIN 43650-Form A, 24 VDC

**TECHNICAL DATA**

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

Maximum Operating Pressure	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	0,7 cc/min.@350 bar
Check Cracking Pressure	3,5 bar
Response Time - Typical	30 ms
Switching Frequency	15,000 max. cycles/hr
Seal kit - Cartridge	Buna: 990310007
Seal kit - Cartridge	Viton: 990310006

**NOTES**

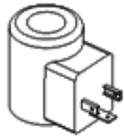
- Please verify cartridge clearance requirements when choosing a Sun manifold. Different valve controls and coils require different clearances.
- An additional 2.00 inches (50,8 mm) beyond the valve extension is needed for coil installation and removal.

**CONFIGURATION OPTIONS**

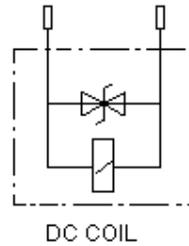
**Model Code Example: DFCATCN224**

CONTROL	(T) POPPET CONFIGURATION	(C) SEAL MATERIAL	(N) COIL * (224)
<b>T</b> Twist (Momentary) Manual Override	<b>C</b> Normally Closed	<b>N</b> Buna-N	<b>224</b> DIN 43650-Form A, 24 VDC
<b>X</b> No Manual Override	<b>H</b> Normally Open	<b>E</b> EPDM	No coil
<b>D</b> Twist/Lock (Dual) Manual Override		<b>V</b> Viton	<b>212</b> DIN 43650-Form A, 12 VDC
<b>L</b> Twist/Lock (Detent) Manual Override			<b>912</b> Deutsch DT04-2P, 12 VDC
<b>M</b> Manual Override			<b>924</b> Deutsch DT04-2P, 24 VDC

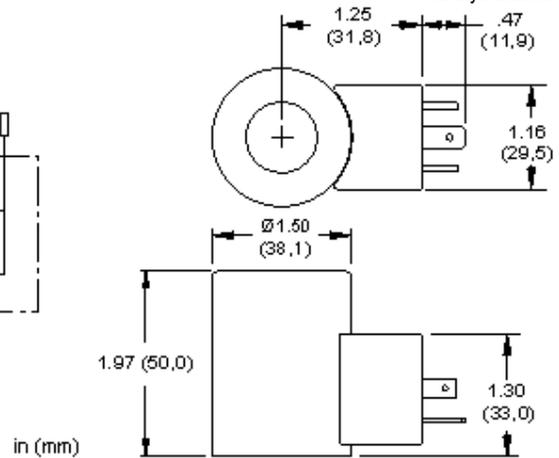
\* Additional coil options are available



**CONFIGURATION**



DC COIL



**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	24 VDC
Operating Voltage Range	+/- 10% nominal
Duty Cycle Rating	100 %
Connector	ISO4400 - EN/DIN175301-803, Form A (ISO/DIN 43650) 3-pin
Connector Environment Rating	IP65/IP67
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 |       |      |      |       |      |      |       |      |      |