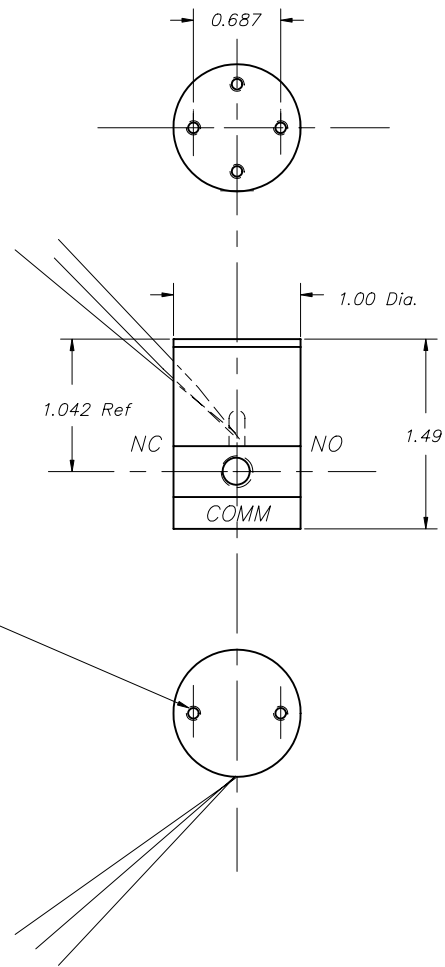


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SPECIFICATIONS:

A Removed Special Notes AS 7/96

Mechanical: (Each Port)

- TYPE: 3 Way
PORT CONNECTION: 1/4-28 (Flat Bottom)
NOMINAL ORIFICE: 0.062 In. (1.5 mm)
OPERATING PRESSURE: 0 - 30 psi
TEST PRESSURE: 30 PSI of N₂, 3 µl/min.max. leakage
WETTED MATERIALS: TEFLON®
MOUNTING ORIENTATION: Any Position
TEMPERATURE RANGE
OPERATING: 10 to 40°C.
STORAGE: -20 to +70°C.

Electrical: (At 70°F - No Pressure)

- OPERATING VOLTAGE: 12 vdc
12 to 48 VDC subject to duty cycle and/or holding voltage applied.
POWER CONSUMPTION: Approx. 1.5 Watts at 12 VDC
LEAD WIRES: #26 AWG, TFE Insulated
Yellow 18" (457 mm) Long (2) Operating Voltage
Green 18" (457 mm) Long (1) Position Sensor
FACTORY TEST SPECIFICATION:
PULL IN VOLTAGE: < 9 VDC
HOLDING VOLTAGE: It is recommended to apply 1/3 (of rated) holding voltage after actuation, if the valve is to be energized for more than 30% of duty cycle or 3 minutes, whichever is less.
DROP OUT VOLTAGE: Less than 4.0 VDC
RESPONSE TIME: 5 to 20 ms - Initial applied voltage controls ON time and series resistor (1 to 5 times of the coil resistance) connected to protection diode, controls OFF time.
POSITION SENSOR: Switch closure to valve case. (40 mA max.)
ON resistance <4 ohms.
OFF resistance >100K ohms.

NOTE 1.)
Continuous rating applies to solenoid construction only.
Since other materials incorporated in the product may not tolerate temperature variations as well as the solenoid, application of holding voltage is strongly recommended.

NOTICE:
This product is protected by one or more of the following United States Patents: 4,496,133; 4,993,456; 5,143,118; Re. 34,261 5,433,244. Other Patents Pending.

UNLESS OTHERWISE SPECIFIED			Scale 1 : 1 (B)	Material —
Fractions	± 1/64	Break Sharp Edges	0.003-0.008	Dr. By ELK
2 Pl. Dec.	± 0.005	All Small Fin. Radii	0.003-0.008	Date 7-26-1996
3 Pl. Dec.	± 0.002	All surfaces shall be Concentric,		Checked
Angular	± 0.06°	Parallel, Flat, Square and True		Approved
All Fin. Surf.		to Each Other within 0.001 T.I.R.	Part Name	
			FBBT031	Drawing Number
				.VALM745

