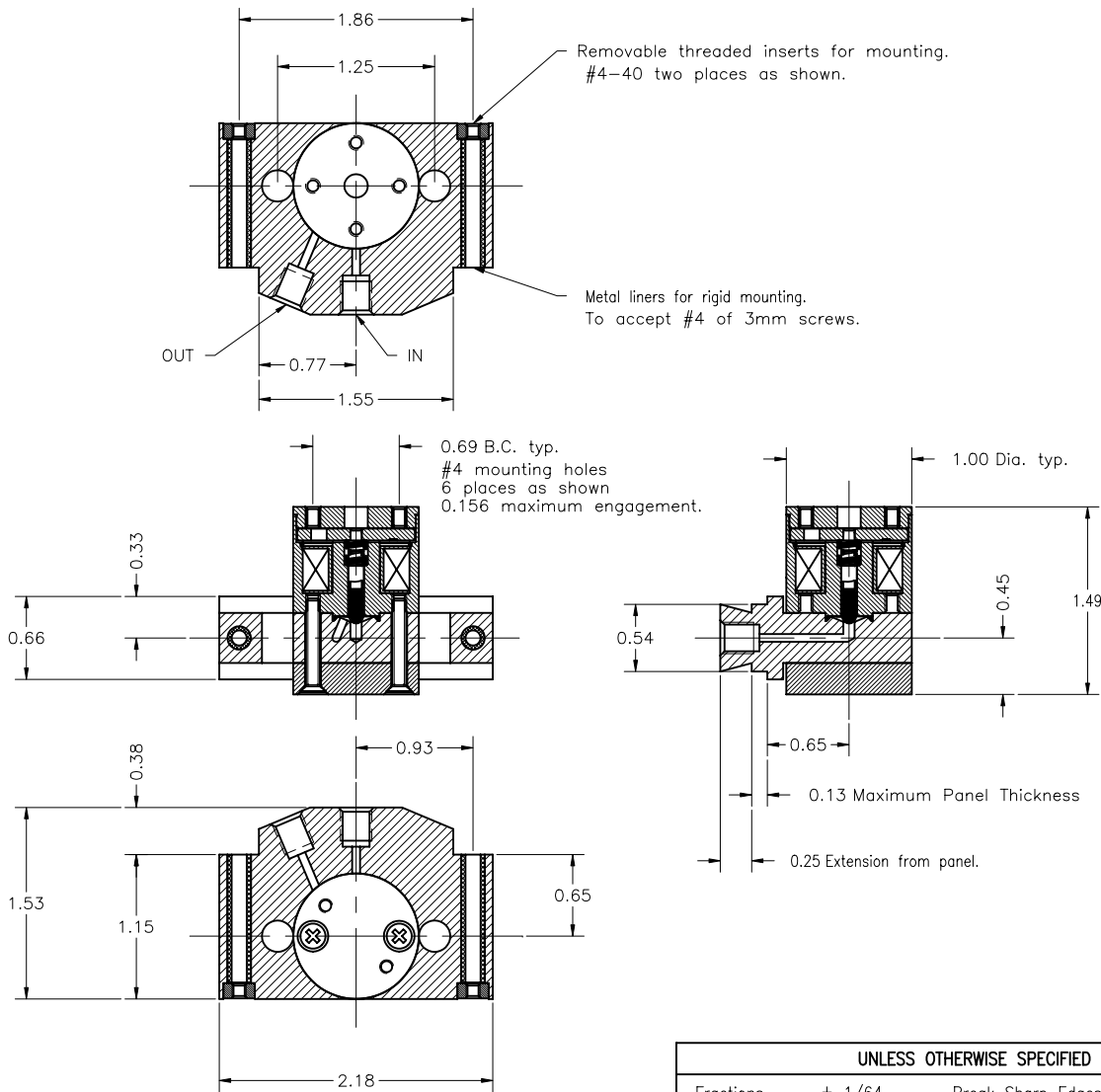


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SPECIFICATIONS:

Mechanical:

- TYPE: 2w Normally Open  
PORT CONNECTION: 1/4-28 Flat Bottom  
NOMINAL ORIFICE: 0.062 In. (1.5 mm)  
OPERATING PRESSURE: Vacum to 30 PSI (2 Bars)  
TEST PRESSURE: 30 PSI N<sub>2</sub> (No leakage)  
INTERNAL VOLUME: 111 microliters from bottom of ports.  
WETTED MATERIALS: TEFLON®  
MOUNTING ORIENTATION: Any Position

Electrical: ( At 70° F No Pressure )

- OPERATING VOLTAGE: 12 VDC ( Continuous ) Note 1.)  
12 to 24 VDC Subject to duty cycle and/or holding voltage applied.  
POWER CONSUMPTION: 1.5 Watts at 12 VDC ( Approximately )  
LEAD WIRES: #26 AWG, TFE Insulated  
Yellow 12 Inches long ( 305 mm )  
TEST VOLTAGE (ON): < 9 VDC at time of shipment.  
TEST VOLTAGE (OFF): 0.5 to 4 VDC at time of shipment.  
RESPONSE TIME (ON): < 20 ms at 12 VDC  
5 to 20 ms subject to applied voltage and driving circuits.  
RESPONSE TIME (OFF): < 30 ms from 12 VDC  
30 to 5 ms adjustable by driving circuits.

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	As noted.
Fractions	± 1/64	Break Sharp Edges	0.003-0.008	Dr. By	A. Sule	Date
2 Pl. Dec.	± 0.005	All Small Fin. Radii	0.003-0.008	Checked		Approved
3 Pl. Dec.	± 0.002	All surfaces shall be Concentric,		Part Name		Drawing Number
Angular	± 0.06°	Parallel, Flat, Square and True		PNLBT021 NO 12VDC		VALM402
All Fin. Surf.		to Each Other within 0.001 T.I.R.				