TitanEX™

MLP777-205
Selection Valve, 6 Position/7 Port, without PCB

Description

The MLP777-205 is a low pressure, 6-position, 7-port motorized selection valve. The design of this valve provides a small footprint. A unique patented* Tubing Connection System eliminates the need for threaded nuts and ferrules for tubing retention and liquid sealing.



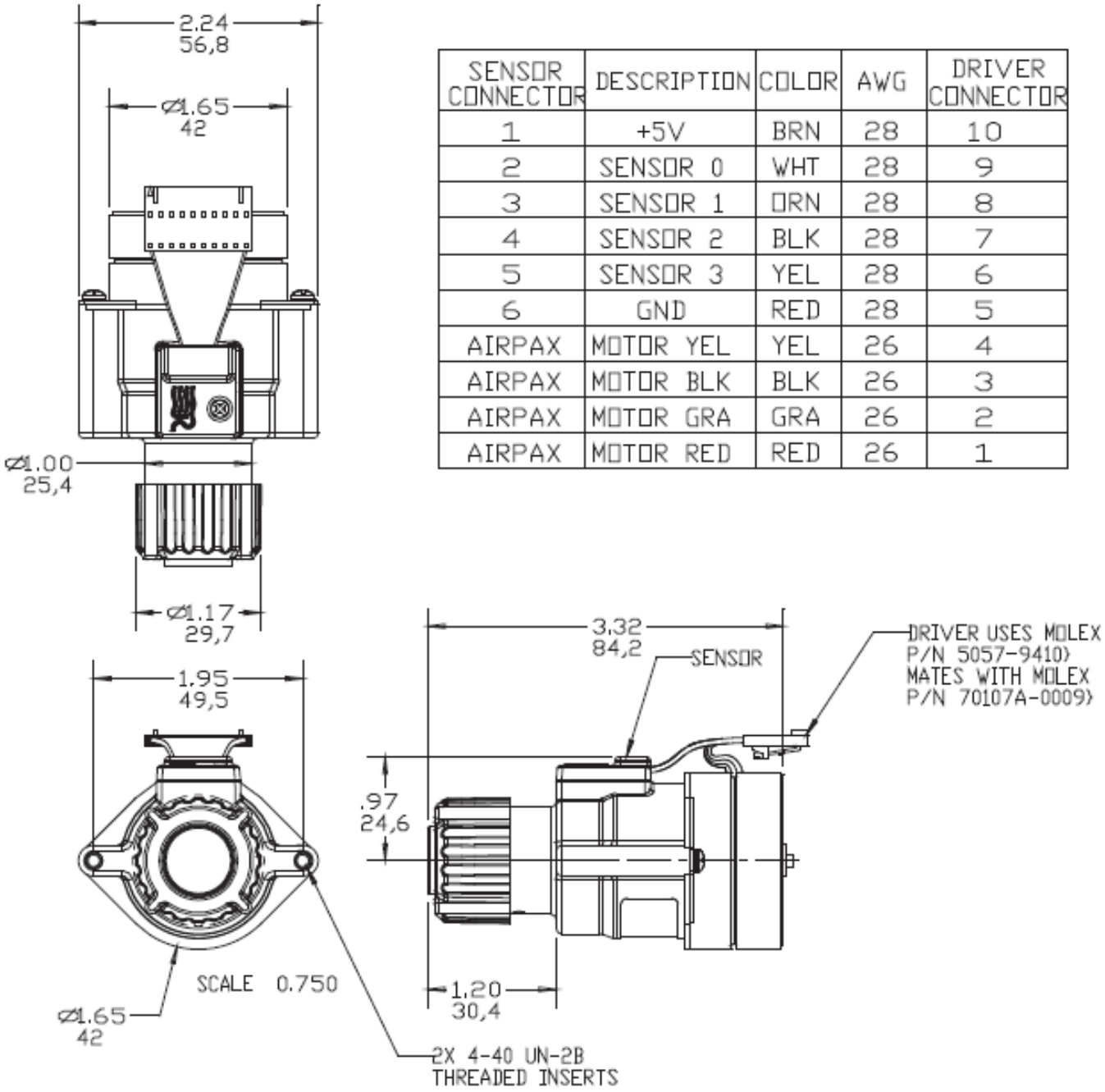
Flow Diagram:
The flow switching pattern of the valve is shown to the right. The circles represent the ports in the valve ram and stator. The dark groove represents the connecting passage in the rotor seal.



Specifications

- **Liquid Contacts:** RPC-7
- **Connections:** Accepts 1/16” OD tubing directly into the valve (see diagram on page 3)
- **Flow Passage Diameters:** 1.0-mm (.040")
- **Port-to-Port Volume:** 6.3µL
- **Operating Pressure:** Maximum pressure 9 bar (125 psi, 0.9 MPa)
- **Operating Humidity:** <95% humidity, non-condensing
- **Shipping and Storage Temperature:** Shipping, storing or operating this valve below 0°C with water in the fluid passages may cause failure of the sealing surfaces.
- **Regulatory REACH and RoHS Compliant**: Yes

Dimensional l Drawings
Dimensions are in inches [millimeters]
For Reference Only

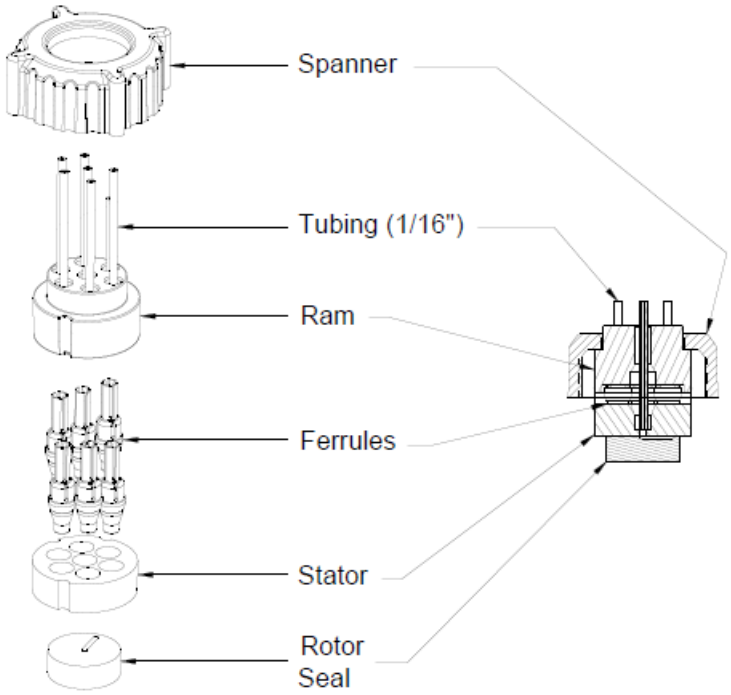


SENSOR CONNECTOR	DESCRIPTION	COLOR	AWG	DRIVER CONNECTOR
1	+5V	BRN	28	10
2	SENSOR 0	WHT	28	9
3	SENSOR 1	ORN	28	8
4	SENSOR 2	BLK	28	7
5	SENSOR 3	YEL	28	6
6	GND	RED	28	5
AIRPAX	MOTOR YEL	YEL	26	4
AIRPAX	MOTOR BLK	BLK	26	3
AIRPAX	MOTOR GRA	GRA	26	2
AIRPAX	MOTOR RED	RED	26	1

IDEX HEALTH & SCIENCE

For ordering, technical support, and contact information please visit www.idex-hs.com

Tubing Connection Detail



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