SW1

Electric to Pneumatic Fail-Safe

The SW1 is a three-way pneumatic solenoid valve activated by a 24 VDC or VAC electric signal. The miniature valve is light weight, energy efficient, and capable of continuous duty. The LED indicates power to the valve. The valve is equipped with two plastic barbs and one metal barb, all of which accept 5/32" OD polyethylene or PVC tubing. A jumper shunt is mounted in series with the incoming power to allow local OFF override.

Applications: Pneumatic Actuators, Used as Fail-safe Control, Electrical to Pneumatic Switch (ON/OFF), Pneumatic Logic Circuit

The SW1 is covered by ACI's Two (2) Year Limited Warranty, which is located in the front of ACI's Sensors & Transmitters catalog or can be found on ACI's website, which is:

PRODUCT SPECIFICATIONS

Supply Voltage:	24 VAC or 24 VDC, +/- 10%
Supply Current:	95 mA maximum (AC), 47 mA maximum (DC)
Supply Pressure:	35 psig maximum (241 KPa)
Output Pressure:	Same as Supply
Air Flow Rate:	1200 scim @ 20 psig (19.67 slpm)
Pneumatic Tubing Size:	5/32" O.D. (1/8" I.D.) Polyethylene or PVC Tubing
Operating Temperature Range:	-10 to 150ºF (-23 to 65.56ºC)
Operating Humidity Range:	5 to 95% non condensing
Connections:	90° Pluggable Screw Terminal Blocks
Wire Size:	16 (1.31 mm²) to 26 AWG (0.129 mm²)
Terminal Block Torque Rating:	0.5 Nm (Minimum); 0.6 Nm (Maximum)
Storage Temperature:	-10 to 150°F (-23.3 to 65.5°C)
Snaptrack Material:	Polyvinyl Chloride (PVC)
Snaptrack Flammability Rating:	UL94 V-0
Product Dimensions:	(L) 1.68" (W) 3.25" (H) 1.50" (42.54 x 82.55 x 38.10 mm)
Product Weight:	0.22 lbs. (0.099 Kg)
Agency Approvals:	RoHS2, WEEE

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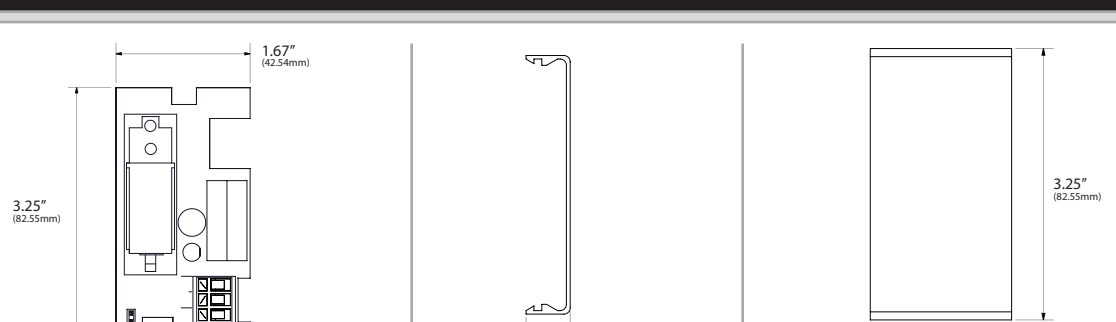
DIMENSIONAL DRAWING



Board Only	Snap Track	Snap Track

STANDARD ORDERING

Model # Example: SW1 -OR- 127752

Model #	Item #	Description
SW1	127752	Electric to Pneumatic Fail-Safe

ACCESSORIES

Model # Example: A/DO008 -OR- 142583

Model #	Item #	Description
A/DO008	142583	Transient Voltage Suppressor, Bi-directional, 56 VAC/DC, 1500W
A/DRC 1.8 X 3.25	142627	DIN Rail Adapter Kit
ENC1	102472	20 Gauge Metal Enclosure, Designed to Hold Interfaces Products

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