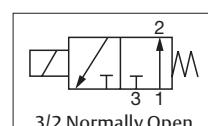
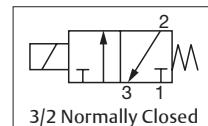


ASCO™ MINIATURE SOLENOID VALVES

GENERAL SERVICE VALVES, MINIATURE SOLENOID

- The 088 Series solenoid valves are designed for use with air and inert gases, and can also be used to pilot other valves or cylinders
- Compact architecture and low power consumption of max. 1.3 W make them ideal for portable medical devices
- Meets all relevant CE directives, and is RoHS compliant
- Typical applications include:
 - Respiratory Therapy
 - Dental
 - Anesthesia Delivery
 - Industrial Gas Analyzers



| Fluids | Temperature Range | Seal Materials |
|------------------------------------|--------------------------------|----------------|
| Air or Inert Gas, non-lubricated 1 | -10 °C to 50 °C (14°F - 122°F) | FKM |

1 filtered at 25 μ m

NOTE: Additional constructions and options are available including alternate elastomers and orifice sizes. Minimum quantities apply.

| General Valve Information | |
|---------------------------|-------------------------------------------------------------------|
| Body | PA (polyamide) |
| Response Time | 0.5mm orifice: 8ms on - 10ms off 0.7mm/0.8mm: 6ms on - 8ms off |

| Electrical Characteristics | |
|----------------------------|----------------------------|
| Standard Voltages* | 12 VDC, 24 VDC (-10%/+10%) |
| Power Consumption | 0.6 - 1.3 W |

* Other voltages on request

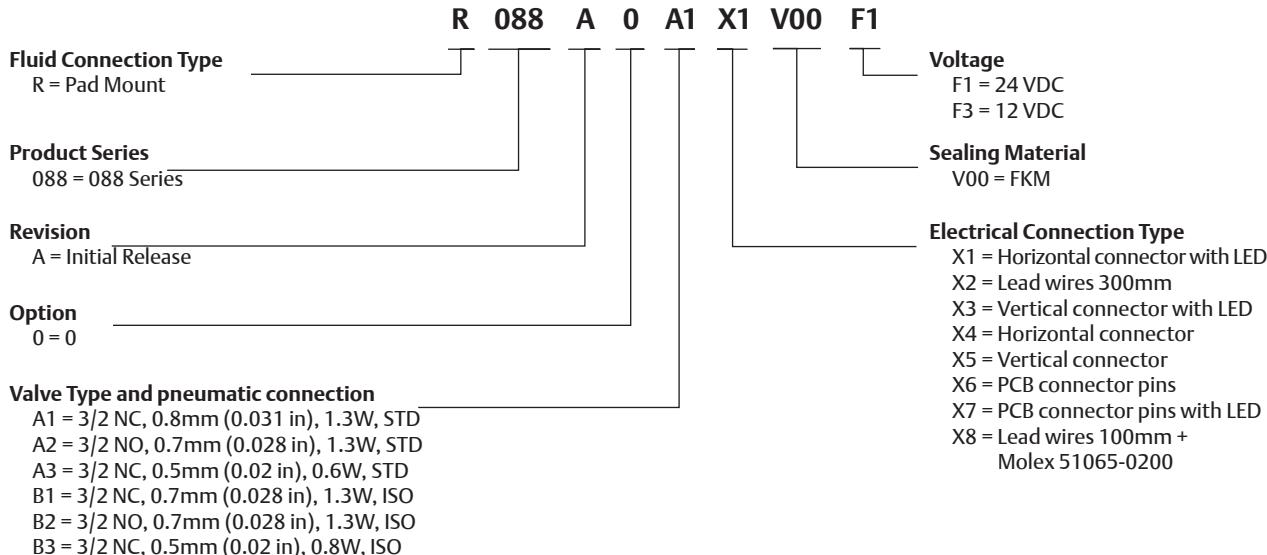
Under extreme conditions (highest temperature / pressure below 2bar / aged valve) an increase of the lower tolerance side is permissible.

NOTE: The solenoid valves are designed for continuous operation within the maximum ambient temperature limits.

| Insulation Class | Coil Insulation | Protection | | Ambient Temperature Range | |
|------------------|-----------------|--------------------------------------|------|--------------------------------|---------|
| | | °C (°F) | VA | °C (°F) | °C (°F) |
| F | 155 (311) | IP65 (coil with encapsulated cables) | IP51 | -10 °C to 50 °C (14°F - 122°F) | |

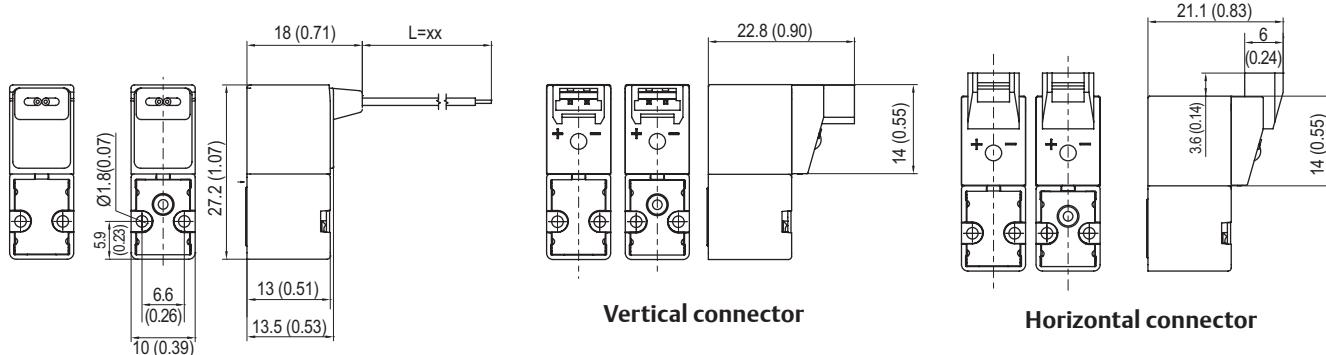
| Specifications | | | | | | | | |
|---------------------------------|-------------|------------------|-----------|--------------------|-----------|--------------|----------------------|-----------------|
| Orifice Size | | Flow Coefficient | | Operating Pressure | | Power Rating | Pneumatic Connection | Catalog Number |
| mm (inches) | Kv (m³/h) | Cv | bar (psi) | min. | max. | W | | |
| 1 → 2 | 2 → 3 | | | | | | | |
| 3/2 NC - Normally Closed | | | | | | | | |
| 0.5 (0.02) | 0.7 (0.028) | 0.007 | 0.008 | 0 | 7 (101.5) | 0.6 | STD | R088A0A3XXV00FX |
| 0.8 (0.031) | 1.0 (0.039) | 0.014 | 0.016 | | | 1.3 | | R088A0A1XXV00FX |
| 0.5 (0.02) | 0.7 (0.028) | 0.007 | 0.008 | | | 0.8 | ISO | R088A0B3XXV00FX |
| 0.7 (0.028) | 1.0 (0.039) | 0.011 | 0.013 | | | 1.3 | | R088A0B1XXV00FX |
| 3/2 NO - Normally open | | | | | | | | |
| 0.9 (0.035) | 0.7 (0.028) | 0.010 | 0.012 | 0 | 7 (101.5) | 1.3 | STD | R088A0A2XXV00FX |
| 0.8 (0.031) | | 0.011 | 0.013 | | | 1.3 | ISO | R088A0B2XXV00FX |

How To Order

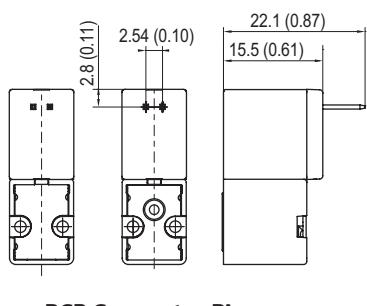


Dimensions: mm (inches)

R088A0A...

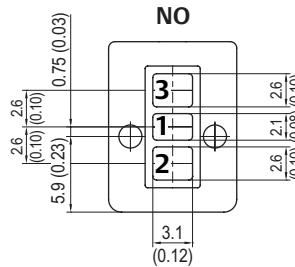
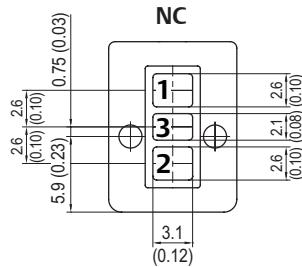


Lead wires



PCB Connector Pins

Pneumatic Interface



Port 1: Inlet pressure

Port 2: Outlet pressure

Port 3: Exhaust

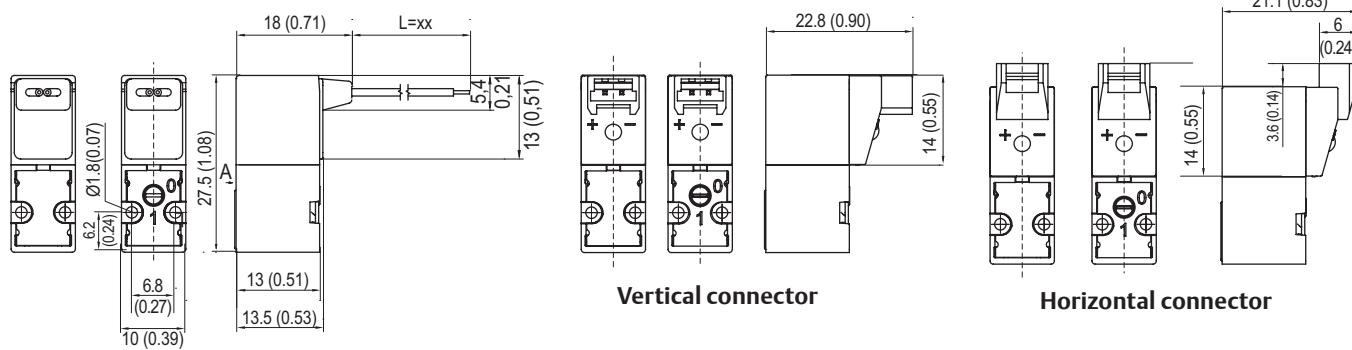
ASCO™ MINIATURE SOLENOID VALVES

GENERAL SERVICE VALVES, MINIATURE SOLENOID

SERIES
088

Dimensions: mm (inches)

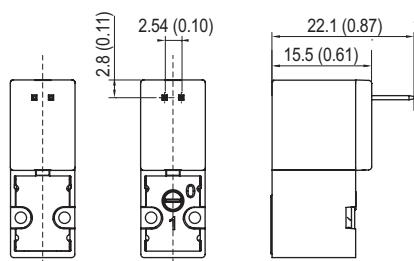
R088A0B...



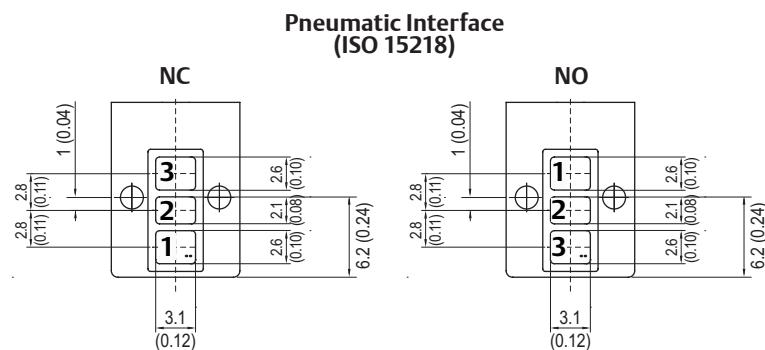
Lead wires

Vertical connector

Horizontal connector



PCB Connector Pins



Pneumatic Interface
(ISO 15218)

NC

NO

Port 1: Inlet pressure

Port 2: Outlet pressure

Port 3: Exhaust

