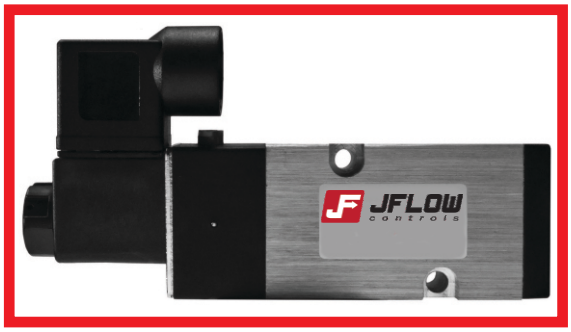
# SV Series
# 3/4 Way Solenoid Valve

## SV61 Features
- Extruded aluminum body with NBR seal
- 120/60/1 coil with IP67 rating
- Manual override
- 1/4” NPT Exhaust port
- 1/2” NPT conduit connection
- Operating Temp: -40˚F to 140˚F
- Operating Pressure: 20 to 120 PSI




## SV71 Features
- Extruded aluminum body with NBR seal
- Nass Magnetics I.S. Coil
- Manual override
- 1/4” NPT Exhaust port
- 1/2” NPT conduit connection
- Operating Temp: -4˚F to 158˚F
- Operating Pressure: 20 to 120 PSI

C SA® US  FM APPROVED


## SV91 Features
- Extruded aluminum body with NBR seal
- Nass Magnetics Nema 7/9 Coil
- Manual override
- 1/4” NPT Exhaust port
- 1/2” NPT conduit connection
- Operating Temp: -4˚F to 158˚F
- Operating Pressure: 20 to 120 PSI

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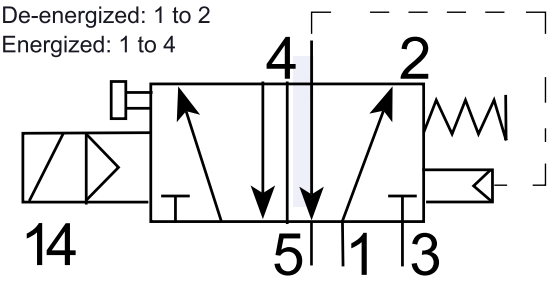
## Pilot
De-energized: 1 to 2
Energized: 1 to 4




## Ordering Schematic

| Series | Voltage |
|---|---|
| NEMA 4/4X - SV61 | 24 VDC (only option for SV71) |
| I.S. - SV71 | 120 VAC |
| NEMA 7/9 - SV91 | 240 VAC/120 VDC |
| | 24 VAC/12 VDC |

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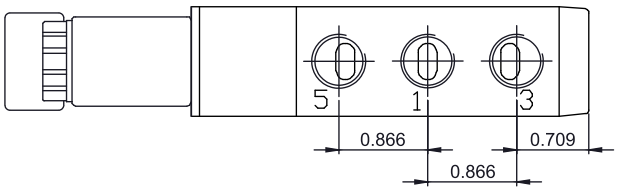
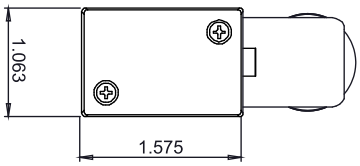
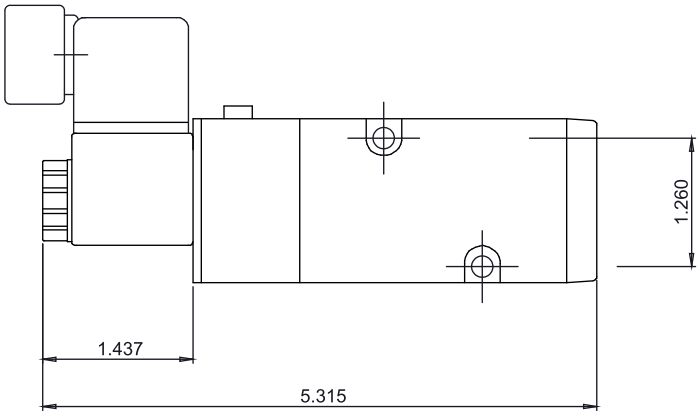
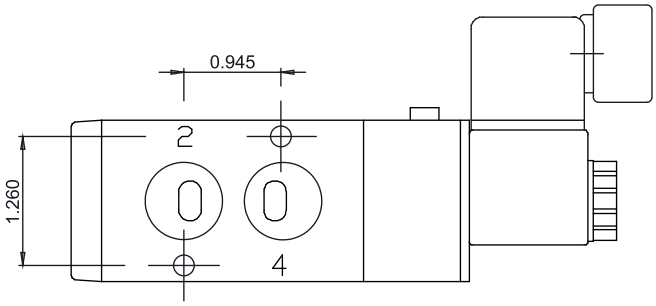
# SV61 Information

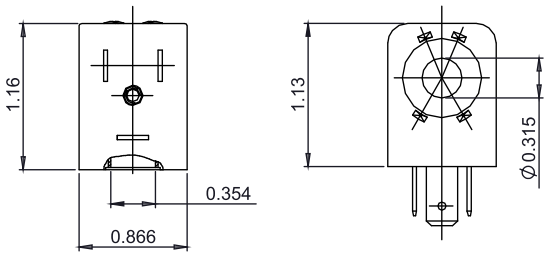



## Coil




## Technical Data

Standard voltages = 24 - 110 - 220V 50/60 Hz,
12 - 24V DC
Power input = 60 Hz inrush 9.4VA holding 6.9VA
Power input = DC 4.8W
Voltage tolerance = ± 10%
Coil insulation = class "F" (for nylon coil)
Duty cycle = 100%
Protection class = IP65

Air supply connection = 1/4" NPT
Operating pressure = min. 2 Bar (30 PSI) –
max. 8 Bar (120 PSI)
Din connector = 1/2" NPT
Flow factor = Cv 1.1
Max operating frequency = 600/1'
Room temperature limit = -4°F~158°F
Weight = 0.80 lb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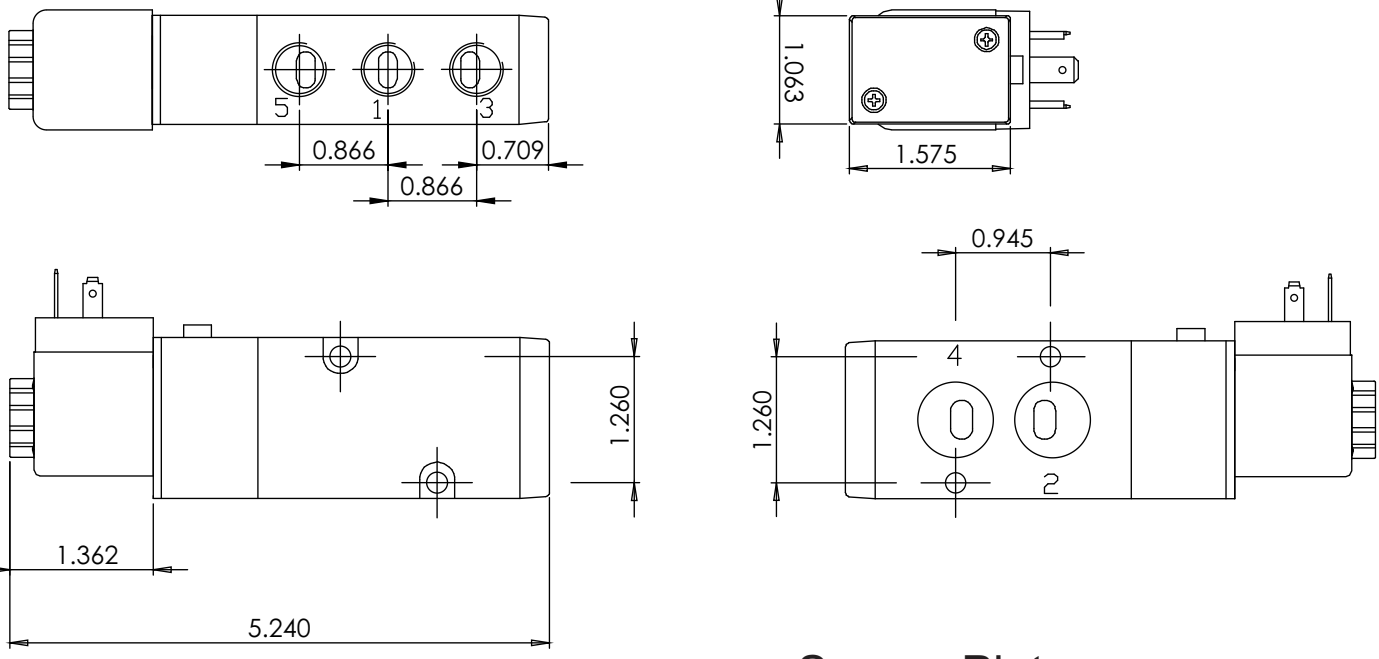
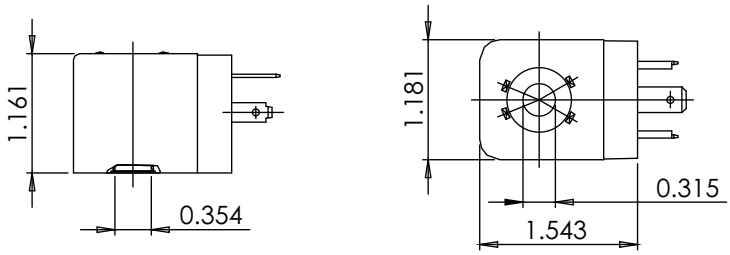
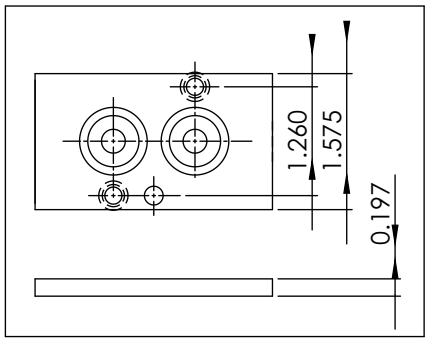
# SV71 Information




## Coil




## Spacer Plate




## Technical Data

Standard voltage = 24V DC
Power input = DC 1.6W
Voltage tolerance = ± 10%
Coil insulation = class "F"
Duty cycle = 100%
Protection class = IP65
Intrinsically Safe Coil

Hazardous Location Class
Class I: Groups A, B, C and D
Class II: Groups E, F and G
Class III: Div. I

Air supply connection = 1/4" NPT
Operating pressure = min. 2 Bar (30 PSI) -
max. 8 Bar (115 PSI)
Din connector = Strain Relief
Flow factor = Cv 1.1
Max operating frequency = 600/1'
Room temperature limit = -4˚F~122˚F
Weight = 0.80 lb

V Max.= 28V DC
I Max.= 115 mA
Max. Valve Pressure= 115 PSI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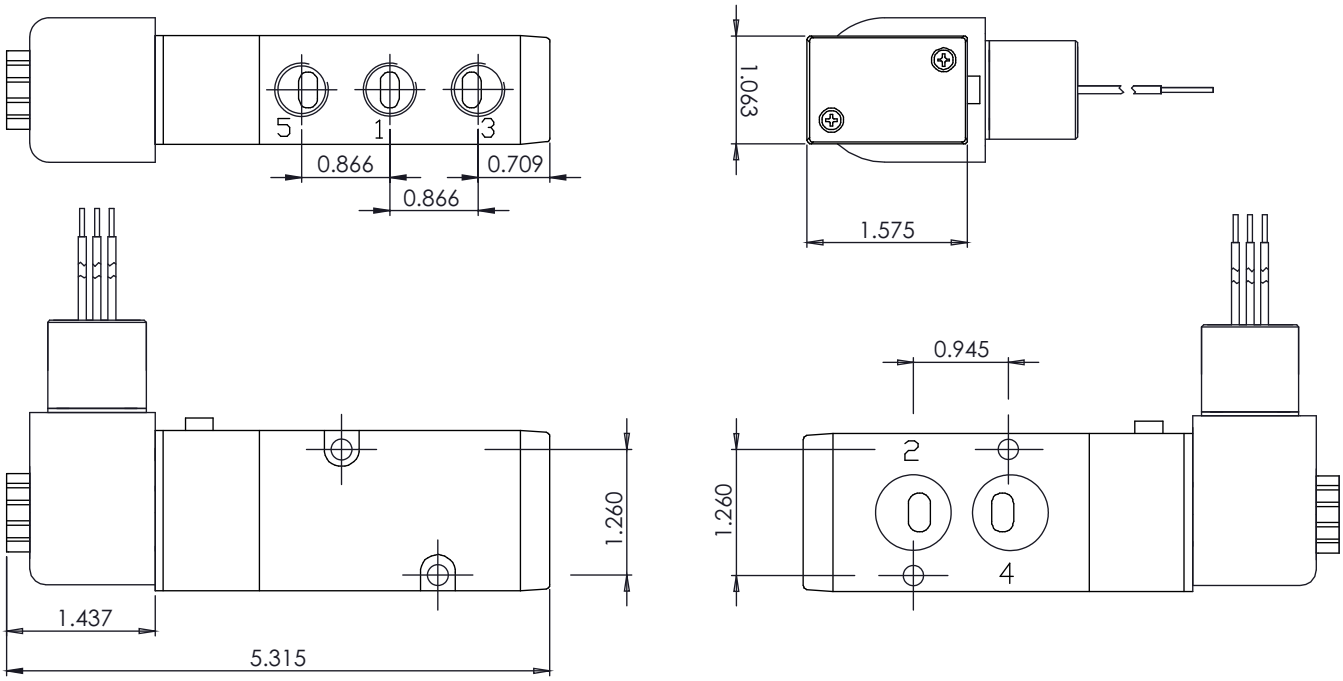
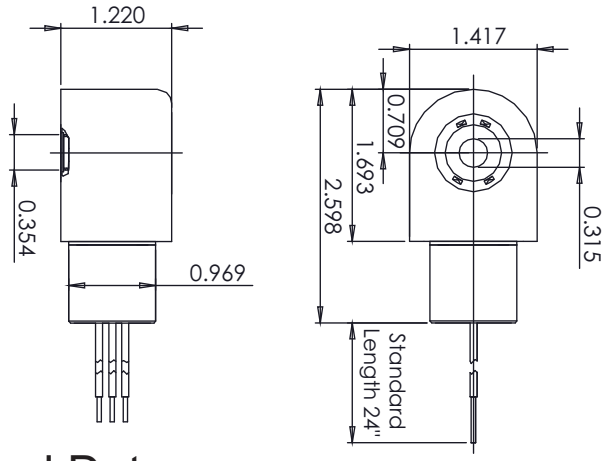
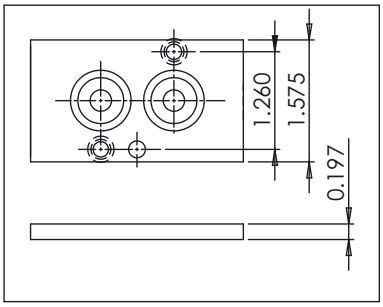
# SV91 Information




## Coil




## Spacer Plate




## Technical Data

Standard voltages = 24 - 110 - 220V 50/60 Hz,
12 - 24V DC
Power input = 60 Hz inrush 7.5VA holding 5VA
Power input = DC 6W
Voltage tolerance = ± 10%
Coil insulation = Class "H"
Duty cycle = 100%
Protection class = IP65

Air supply connection = 1/4" NPT
Operating pressure = Min. 2 Bar (30 PSI) –
Max. 8 Bar (120 PSI)
Conduit connection = 1/2" NPT
Flow factor = Cv 1.1
Max operating frequency = 600/1'
Room temperature limit = -4°F~140°F
Weight = 0.95 lb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