

# Linear Proximity Limit Switch with integral Ex d Junction-Box

## Model SS9J

The Model SS9J Linear Proximity Limit Switch is a device for monitoring the position status of BERMAD control valves. It is equipped with two hermetically sealed proximity sensors, enabling remote signaling upon the opening and/or closing of the valve.

The model SS9J is suited for use in hazardous locations, harsh environments and corrosive media. It is designed with an integral junction box enclosure made of 316 stainless steel.

### Features

- Integral junction box, enabling trouble free hook-up
- 316 Stainless steel housing, for harsh environments
- Suitable for corrosive media with optional Monel wetted parts (SS9mJn)
- Vibration resistant design

### Technical Data

- Switch Housing/Junction Box: 316 stainless steel
- Bracket: 316L Stainless Steel
- Actuation: Proximity switch sensor, magnetic target
- Contacts: Tungsten, dry, Hermetically Sealed, 2 SPDT
- Contact Rating: 120VAC / 3 Amps, 24VDC / 2 Amps
- Ingress Protection: IP66
- Temperature range: -40 to +105°C / -40° to 220°F
- Conduit entry ports: Two entries M20x1.5
- Hysteresis: 0.03" / 0.8 mm

### Approvals & Certification

ATEX Certified for Zone 1, II 2G Ex d IIC T6, IP66

Consult BERMAD for other certification/documentations

### Material Code Designations

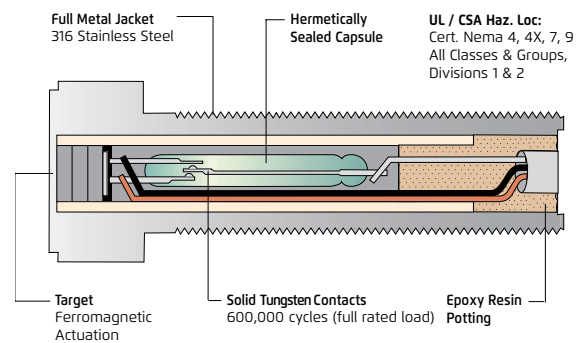
Switch/Junction Box	Wetted Parts	Bracket and Fasteners	Code
Stainless Steel 316, ASTM A351 GR CF8M	Stainless Steel AISI 316	Stainless Steel AISI 316	<b>SS9J</b>
Stainless Steel 316, ASTM A351 GR CF8M	Monel 400 and Ni.Al. Bronze	Stainless Steel AISI 316	<b>SS9mJ</b>



**SS9J**

Installed on a BERMAD Valve (for illustration only)

### Proximity Sensor (section view)



### Wiring Diagram

