

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, and is designed with an integral junction box enclosure made of double polyurethane coated aluminum or uncoated 316 stainless steel.

Features

- Integral junction box, enabling trouble free hook-up
- 316 Stainless steel housing option (SS9Jn), for harsh environments
- Suitable for corrosive media with optional Monel wetted parts (SS9mJn)
- Vibration resistant design

Technical Data

- Switch Housing/Junction Box: Double polyurethane coated aluminum or Uncoated 316 stainless steel
- Bracket: 316 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: 1x1/2" NPT & 1xM20
- Hysteresis: 0.03" / 0.8 mm

Approvals & Certification

ATEX Certified for Zone 1, II 2G Ex d IIC T6, IP66
or **UL** and **CSA** Certified for Class I Division 1, Groups B, C & D, Class II, Groups E, F & G, NEMA 4,4x, 7, 9

Material Code Designations

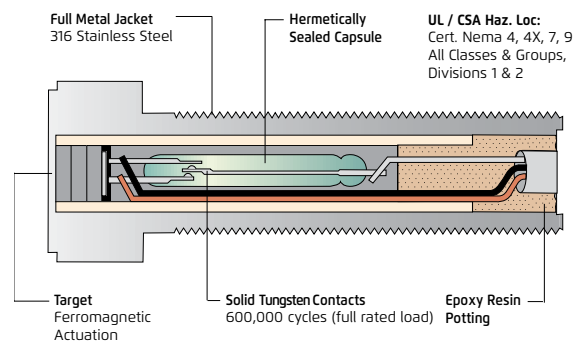
Switch/Junction Box	Wetted Parts	Bracket and Fasteners	Code
Polyurethane Coated	Stainless Steel	Stainless Steel	SS9J
Low Copper Aluminum	AISI 316	AISI 316	
Stainless Steel 316, ASTM A351 GR CF8M	Stainless Steel	Stainless Steel	SS9Jn
Stainless Steel 316, ASTM A351 GR CF8M	AISI 316	AISI 316	
Stainless Steel 316, ASTM A351 GR CF8M	Monel 400 and Ni.Al. Bronze	Stainless Steel	SS9mJn



SS9Jn

Installed on a BERMAD Valve
(for illustration only)

Proximity Sensor (section view)



Wiring Diagram

