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.

SS9Jn
Installed on a BERMAD Valve
(for illustration only)

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

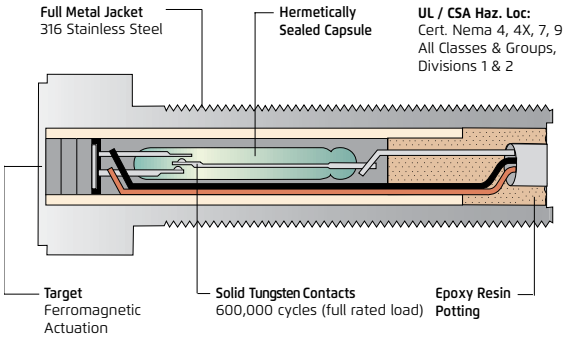
Technical Data

- 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: 1x½" 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

Proximity Sensor (section view)



Material Code Designations

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

Wiring Diagram