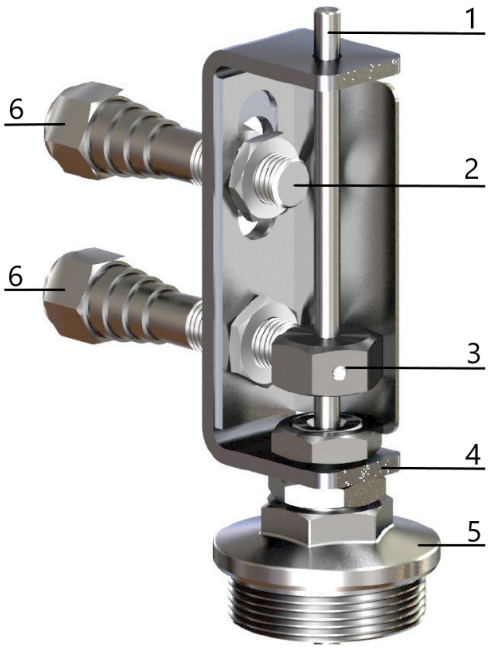
EX. PROOF-EX D PROXIMITY LIMIT SWITCH

Model S9

This Limit Switch Assembly enables remote signaling upon the opening or closing of BERMAD Deluge and Water Control Valves. It is equipped with one or two switches [6] actuated by the opening or closing of the valve.
The proximity sensor within the switch is hermetically sealed and responds by it's proximity to a ferromagnetic target [3] attached to the valve's indicator stem.
This limit switch assembly is suitable for harsh environments, constructed entirely of 316 stainless steel, and equipped with a rigid proximity magnetic switch sensor. The switch is suitable for hazardous locations, ATEX certified for Category II 2G EEx d IIC T6 and UL-Listed for Class I, Division 1, Groups A, B, C, D and Class II, Division 1, Groups E, F, G to NEC 500, NEMA 4,4X, 7, 9.
The switch is equipped with Tungsten contacts and is electrically rated for 2 Amps at 24VDC.



Single limit switch assembly:

• Equipped with one or two SPDT switches, signaling closed or open and closed valve position

Technical Data

• All Stainless steel 316, corrosion-resistant
• Magnetic proximity switch sensor
• ATEX, UL and Inmetro certified for Zone 1
• Hermetically Sealed dry contact - Improves Safety
•SPDT (single pole double throw), 1NO, 1NC
•Tungsten contacts
• Galvanized isolated
• IP 67 rated
• 3 Amps / 120VAC, 1.5 Amps / 240VAC, 2 Amps / 24 VDC rated
• Sensor rated temperature: -30 to +90°C

Features

• Rigid construction
• Vibration resistant technology
• Switching element with snap-action contact

Materials of Construction

Stainless steel 316
Wetted parts: Stainless steel 316

Optional Materials for Wetted Parts

Ni.Al.Bronze and Monel, Hastelloy C276

Part	Description
1	Indicator
2	Sensor
3	Target
4	Bracket
5	Valve plug
6	Limit switch

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