

Proximity Switch | Multi Voltage Volt Free Contacts

General Industrial SPCO/SPDT

Our FS series switches are able to sense ferrous material, such as carbon or stainless steel (17/4 or 400 series) at up to 2.5mm (0.1") and are reliable through millions of operations.

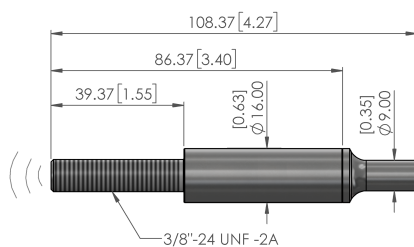
Properties	
Body Shape	Cylindrical
Body Material	316L Stainless Steel
Contact Arrangement	SPCO / SPDT (Form C)
Contact Material	Palladium-Silver
Mounting Thread	3/8"-24 UNF (39.37mm / 1.55" long) c/w 2 x locknuts
Max Current	4A
Connection	PVC Cable
Conduit Entry	No Conduit Entry
Termination	Cabled
Certification	n/a
Hazardous Location	n/a
Gas Group	n/a
Dust Group	n/a
Temperature Class (T Rating)	n/a
Operating Temperature	-20°C to +80°C / -4°F to +176°F
Sensing Range with Magnet	<12mm (0.47")
Sensing Face Pressure Rating	2000psi / 138 bar
Environmental Protection	IP 66, 67 & 68 / NEMA 4, 4X, 6, 6P, 7 & 9
Safety Rating	SIL 2 / SC3
Repeatability	Approx. 0.05mm (0.002")
Response Time	8 ms
Differential / Hysteresis	< 0.51mm (0.020")



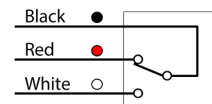
Ratings		
Supply Voltage	Max switching Current	Max Voltage
24 VDC 110/120 VAC 230/240 VAC	3A 4A 2A	230 V AC/DC

Sensing Ranges		
Standard Sensing Ferrous Material = 1.0mm (0.04")	Magnet Part No.	Range mm (")
Extended Sensing Optional magnetic targets can be used to increase sensing range.	MA-1S	2.5 (0.10)
	MA-4S	6.5 (0.26)
	MA-7S	10.5 (0.41)
	MA-8S	6.5 (0.26)

Dimension



Connection



Supplied with 2m (78") of 3 core PVC Cable. Custom lengths available on request. Cable OD: 6.5mm (0.256").

Certifications and Approvals

Certification	Compliance	Certificate No.
Safety Integrity Level (SIL)	IEC 61508:2010; SC3 SIL 2 with HFT=0 (1oo1) and SIL 3 with HFT =1 (1oo2)	FSP18015