

## FS-CYL-B Series - Proximity Switch - Ferrous

Model: FS-CYL-B124L-P1.025

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.  
OLD: 7C, 7D, 7F Cylinder stroke switch.

### Properties

Body Material	316L Stainless Steel
Contact Arrangement	SPCO / SPDT (Form C)
Contact Material	Palladium-Silver
Max Current	4A
Connection	Individual Teflon Leads
Conduit Entry	1/2" - 14 NPT
Termination	Lead wires
Certification	n/a
Hazardous Location	n/a
Gas Group	n/a
Dust Group	n/a
Temperature Class (T Rating)	n/a
Operating Temperature	-40°C to +204°C / -40°F to +400°F
Sensing Range with Magnet	<12mm (0.47")
Sensing Face Pressure Rating	3000psi / 207 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")



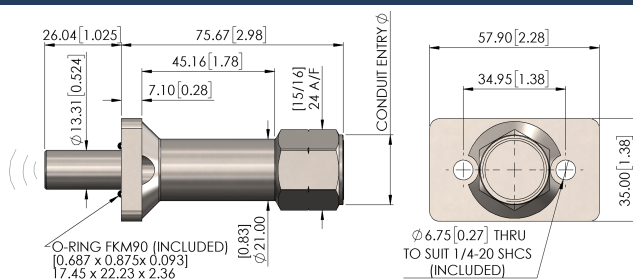
### Ratings

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

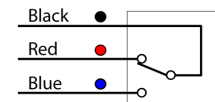
### Sensing Ranges

Standard Sensing	Magnet Part No.	Range mm (")
Ferrous Material = 2.3mm (0.09")	MA-1S	3.5 (0.14)
Extended Sensing Optional magnetic targets can be used to increase sensing range.	MA-4S	7.5 (0.29)
	MA-7S	11.5 (0.45)
	MA-8S	7.5 (0.29)

### Dimension



### Connection



Supplied with 2m (78") of individual 18AWG Teflon lead wires. Custom lengths available on request.

### 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