

Model: ES-45121

**Proximity/Limit Switch | Multi Voltage Volt Free Contacts
 General Industrial SPCO/SPDT**

Our ES series switches are highly dependable, hermetically sealed position sensors for use in the most arduous and hazardous applications. They require the use of a magnetic target to operate.

Properties

Body Shape	Rectangular
Body Material	316L Stainless Steel
Contact Arrangement	SPCO / SPDT (Form C)
Contact Material	Rhodium (Tungsten optional)
Dimensions	67mm x 19mm x 13mm c/w fixing screws
Connection	PVC Cable
Termination	Cabled
Certification & Approvals	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	Up to the maximum in the magnet table
Sensing Face Pressure Rating	2000psi / 138 bar
Environmental Protection	IP 66, 67 & 68 (24hrs at 30m)/ NEMA 4X & 6P
Safety Rating	SIL 2 / SC3
Actuation	Magnetically Actuated



Ratings

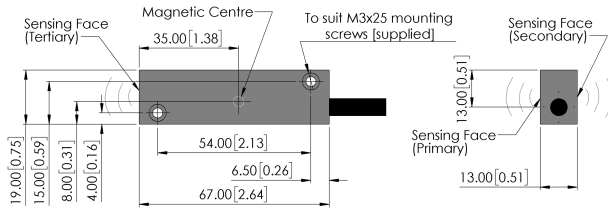
Supply Voltage	Max Switching Current	Max Voltage	Max switching Power
24 VDC	830mA	150 V AC/DC	20W
110/120 VAC	180mA		

Sensing Ranges

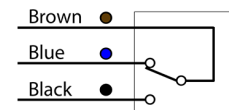
Sensing range depends on the magnetic target used. We have a large range of magnetic targets available. Please contact us for more information.

Magnet Part No.	Range mm (")
MA-1S	10 (0.39)
MA-3S	26 (1.02)
MA-4S	11 (0.43)
MA-8S	11 (0.43)

Dimensions



Connections



Supplied with 2m (79") of 3 core PVC Cable (18 AWG). Custom lengths available on request. Cable OD: 6.5mm (0.256"), rated to 300V.

Certifications & 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