

**ES-1 Series - Proximity Switch - Magnetic**

Model:ES-1322

**Proximity/Limit Switch | Explosion Proof / Flameproof | Low Temperature  
IECEX / ATEX Ex d/db/tb IIC / IIIC T4 / T6 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.

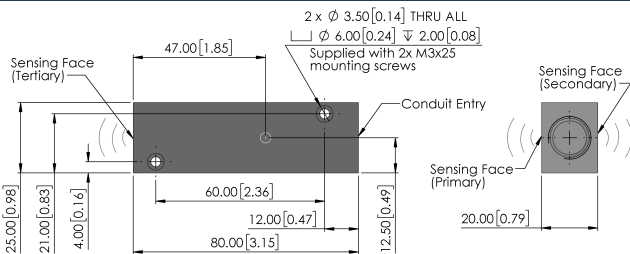
Properties	
Body Shape	Rectangular
Body Material	316L Stainless Steel
Contact Arrangement	SPCO / SPDT (Form C)
Contact Material	Rhodium (Tungsten Optional)
Dimensions	80mm x 20mm x 25mm c/w fixing screws
Max Current	2.5A
Connection	Polyolefin Cable
Conduit Entry	PG9 Conduit Entry
Termination	Cabled
Certification	IECEX/ATEX Ex d/db/tb
Hazardous Location	Zone 1, 2, 21 and 22
Gas Group	IIC
Dust Group	IIIC
Temperature Class (T Rating)	T4 / T6
Operating Temperature	-60°C to +120°C / -76°F to +248°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 / NEMA 4, 4X, 6, & 6P
Safety Rating	SIL 2 / SC3



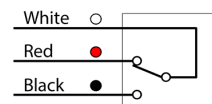
Ratings			
Supply Voltage	Max switching Current	Max Voltage	Max switching Power
24 VDC	2.5A	400 V AC/DC	60W VA
110 VAC	540mA		
230 VAC	250mA		

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	6 (0.24)
	MA-2S	3 (0.12)
	MA-3S	18 (0.71)
	MA-4S	8 (0.31)
	MA-7S	10 (0.39)

**Dimension**



**Connection**



Supplied with 2m (78") of 3 core Polyolefin Cable. Custom lengths available on request. Cable OD: 6.8mm (0.268")

**Certifications and Approvals**

Certification	Compliance	Certificate No.
ATEX	EN 60079-0: 2012 + A11:2013, EN 60079-1: 2014, EN 60079-31: 2014	Baseefa14ATEX0256X
IECEX	IEC 60079-0 : 2011, IEC 60079-1 : 2014-06, IEC 60079-31 : 2013	IECEXBAS14.0121X
Safety Integrity Level (SIL)	IEC 61508:2010; SC3   SIL 2 with HFT=0 (1oo1) and SIL 3 with HFT =1 (1oo2)	FSP18015