

**Model: ES-44221**

**Proximity/Limit Switch | Intrinsically Safe  
 ATEX Ex ia, IECEx Ex ia IIC / IIIC 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.

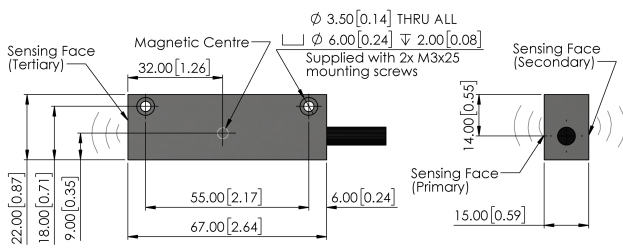
Properties	
Body Shape	Rectangular
Body Material	316L Stainless Steel
Contact Arrangement	SPCO / SPDT (Form C)
Contact Material	Rhodium (Tungsten optional)
Dimensions	67mm x 22mm x 15mm c/w fixing screws
Max Current	830mA
Connection	PVC Cable
Termination	Cabled
Certification & Approvals	IECEX, ATEX, UKEx Ex ia
Hazardous Location	Zones 0 and 20
Gas Group	IIC
Dust Group	IIIC
Temperature Class (T Rating)	T6
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



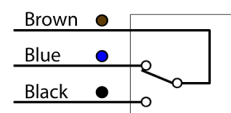
Ratings				
Ui	Ii	Pi	CI	Li
30V	250mA	1.3W	120pF/m	0.7µH/m
To be supplied via a certified intrinsically safe barrier.				

Sensing Ranges		
	Magnet Part No.	Range mm (")
Sensing range depends on the magnetic target used. We have a large range of magnetic targets available. Please contact us for more information.	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.
ATEX	EN IEC 60079-0:2018, EN 60079-11:2012	Baseefa14ATEX0013X
CCC-Ex / NEPSI (China)	GB 3836.1-2010, GB 3836.4-2010, GB 12476.1-2013, GB 12476.4-2010	2020322304000873
IECEX	IEC 60079-0: 2017, IEC 60079-11: 2011	IECEXBAS14.0003X
Safety Integrity Level (SIL)	IEC 61508:2010; SC3 ; SIL 2 with HFT=0 (1oo1) and SIL 3 with HFT =1 (1oo2)	FSP18015
UKEx	EN IEC 60079-0:2018, EN 60079-11:2012	BAS21UKEX0626X