

Hazardous Area Proximity Switch Kit

Model:TA-4106-IECEX

Proximity/Limit Switch | Explosion Proof / Flameproof

ATEX Ex d/db/tb, IECEx Ex d/db/tb IIC / IIIC T6 SPCO/SPDT

TA-4106-IECEX series switch kits use highly dependable, hermetically sealed sensors for use in the most arduous and hazardous applications. They require the use of a magnetic target to operate (included with kit).

Properties

Body Shape	Rectangular
Body Material Switch/Target	316L Stainless Steel
Contact Arrangement	SPCO/SPDT (Form C)
Contact Material	Rhodium (Tungsten optional)
Dimensions Switch(Target)	90mm x 30mm x 23mm (67mm x 19mm x 13mm)
Max Current	2.5A
Connection	PVC Cable
Conduit Entry	1/2" - 14 NPT
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)	T6
Operating Temperature	-20°C to +70°C / -4°F to +158°F
Sensing Range with incl. Magnet	Up to 18mm (.71") with included Target
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



Ratings

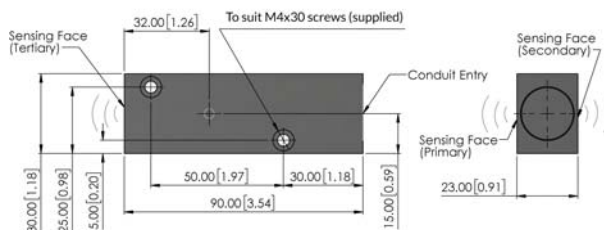
Supply Voltage	Max switching Current	Max Voltage	Max switching Power
24 VDC	2.5A		
110/120 VAC	540mA		
230/240 VAC	250mA	400 V AC/DC	60W VA

Sensing Ranges

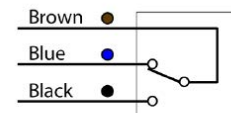
Sensing range depends on the magnetic target used. We have a large range of magnetic targets available. Please contact us for more information. *MA3S Included

Magnet Part No.	Range mm (")
MA1S	6 (0.24)
MA2S	3 (0.12)
*MA3S	18 (0.71)
MA4S	8 (0.31)
MA7S	10 (0.39)

Dimension



Connection



Supplied with 2m (78") of 3 core PVC Cable (18 AWG). Custom lengths available on request. Cable OD: 6.5mm (0.256"), rated to 300V.

Certifications and Approvals

Certification	Compliance
ATEX	EN 60079-0: 2012 + A11:2013, EN 60079-1: 2014, EN 60079-31: 2014
CCC Mark (China)	GB 3836, GB 12476
IECEX	IEC 60079-0 : 2011, IEC 60079-1 : 2014-06, IEC 60079-31 : 2013
Safety Integrity Level (SIL)	IEC 61508:2010; SC3 SIL 2 with HFT=0 (1oo1) and SIL 3 with HFT =1 (1oo2)