

Hazardous Area Proximity Switch Kit

Model:TA-4106-ES

Proximity/Limit Switch | Explosion Proof NEMA 7 & 9

UL / CSA Class I/II Div 1 A - D / E - G T4A / T6 SPCO/SPDT

TA-4106-ES 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	TA-4106-ES, SPCO/SPDT (Form C) TA-4106-ES-D (DPDT)
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 with Earth wire
Certification	UL/CSA
Hazardous Location	Class I/II/III Div 1
Gas Group	A - D
Dust Group	E - G
Temperature Class (T Rating)	T4A / T6
Operating Temperature	-40°C to +105°C / -40°F to +221°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

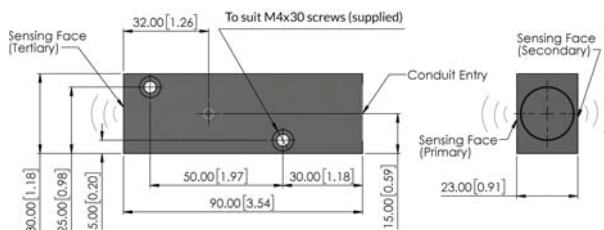
Supply Voltage	Max switching Current	Max Voltage	Max switching Power
24 VDC	2.5A		
110/120 VAC	540mA		
230/240 VAC	250mA	400 V AC/DC	60W VA

Sensing Ranges

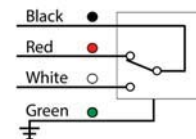
Sensing range depends on the magnetic target used. We have a large range of magnetic targets available. Please contact us for more information. *MA3S Included

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 4 core PVC Cable (18 AWG). Custom lengths available on request. Cable OD: 6.5mm (0.256"), rated to 300V. Note: TA-4106-ES-D has 7 wires.

Certifications and Approvals

Certification	Compliance
Safety Integrity Level (SIL)	IEC 61508:2010; SC3 SIL 2 with HFT=0 (1oo1) and SIL 3 with HFT =1 (1oo2)
UL/CSA	UL1203, CSA C22.2 25 & 30