

Magnetic Target Switch

MTS

Applications

- Automated Valve Position Indication
- Manual Valve Position Indication
- Security Door/Panel Indication
- Limit Switch Alternative



Features & Benefits

Non-Contact Sensing

- Using the provided target magnet, MTS does not require physical contact, resulting in less required adjustment over time.

Global Approvals

- Easier to fit project specifications with easy, global general purpose, explosion-proof or intrinsically safe options.

316L Stainless Steel Enclosure

- Resistant to corrosion, water ingress and other environmental strains.

Specifications

	MTS- Low Current	MTS- High Current
Certifications	cULus, IEC/ATEX, CCC, CE (Regionals available)	cULus, IEC/ATEX, CCC, CE (Regionals available)
Explosion-Proof	Yes	Yes
Intrinsically Safe	Yes (Optional)	No
Min Operating Temperature	-40°C	-40°C
Max Operating Temperature	85°C	85°C
Contact Material	SPDT Rhodium	SPDT Tungsten
Ingress Protection	IP66/67	IP66/67
SIL Capable	SIL 1/2; SC3	SIL 1/2; SC3
Enclosure/housing material	316L Stainless Steel	316L Stainless Steel
Mounting Threads	5/8" or M18	5/8" or M18
Connection Options/Types	Leads, Cables	Leads, Cables
Conduit/cable Entry	1/2" NPT or M20	1/2" NPT or M20
Switching frequency	60Hz	60Hz
Sensing Range/Distance*	7.5mm	4mm
Differential*	3mm	1.5mm
Max Electrical ratings	AC: 0.2A @ 120V DC: 1A @ 24V	AC: 3A @ 120V, 1.5A @ 240V DC: 2A @ 24V
Contact resistance	0.1 Ohm	0.5 Ohm
Electrical compatibility	AC/DC; NPN/PNP; NO/NC	AC/DC; NPN/PNP; NO/NC
Power Consumption	No	No

*Sensing distance and differential rounded to nearest 0.5mm

For more information:
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