

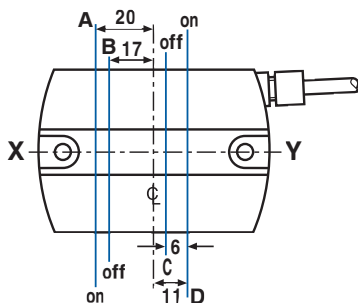
Industrial Proximity Switches

proximity switches

MPS V1, V4

- Ferro-actuated vane switch
- Senses ferrous material e.g. mild steel
- MPS V1 for inductive loads
- MPS V4 for resistive loads only
- Glass filled Nylon housing
- Water, oil and dustproof to IP68

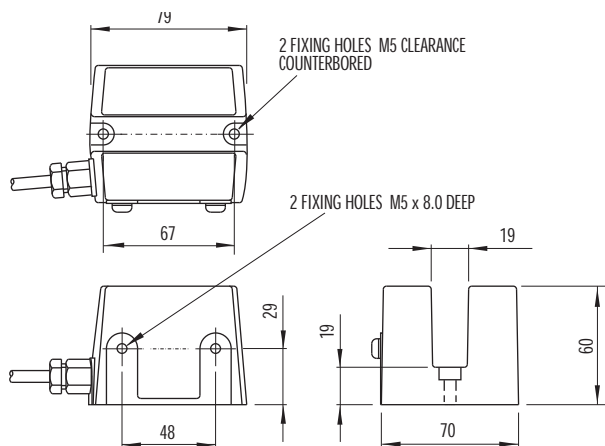
The ferrous vane must pass through the switch slot within 19mm of the slot base and must not touch the switch case itself. A vane size 76 x 51 x 3.2mm should be used. A vane of these dimensions passing through the slot at a distance of 9.5mm from the slot base will provide the following typical switching characteristics.



Vane movement	X to Y	Y to X	X to Y & return	Y to X & return
Switch operates when leading edge of vane is at point	D	A	D	A
Switch will reset when trailing edge of vane is at point	C	B		
Switch will reset when leading edge of vane is at point			C	B

NOTE: The maximum variation in the above operating positions due to having the vane $\pm 9.5\text{mm}$ from the nominal position of 9.5mm from the base is 1.5mm.

dimensions



ordering details

Switch	Max. volts	Max. current	Power	Part No.
MPS V1	250V ac/dc	1.25A ac/dc	20Wdc, 20VAac, 3W/VA min	440S-M565090
MPS V4	250V ac/dc	1.25A ac/ dc	20Wdc, 20VAac, 3W/VA min	440S-M565093

technical specifications

Contact arrangement	MPS V1 - C/O single pole (surge suppression circuit) MPS V4 - C/O single pole (resistive loads only)
Contact material	Tungsten
Case material	Glass filled Nylon
Protection	IP 68 (water/oil/dust)
Operating temperature	-10°C to +50°C
Fixings	2 x M5
Mechanical life	500 x 10 ⁶ typical
Electrical life	Subject to switched load
Cable	3m flexible PVC, cores unmarked
Weight	0.75Kg
Conforms to standards	EN 60204-1

