

Magnetic Proximity Switches

MHM



Magnetic proximity switches for heavy industry

MHM sensors detect a variation of the magnetic field and are used in conjunction with a magnet. They can detect magnetic objects through non-magnetic material or the magnetic field can be transmitted away from difficult environment by using magnetic conductors.

They have been specially designed for heavy industries.

Features

- High temperature : - 40 °F to 340 °F
- High reliability
- Waterproof (IP65)

Typical applications

These sensors are used for position control of mechanics in high ambient temperature.

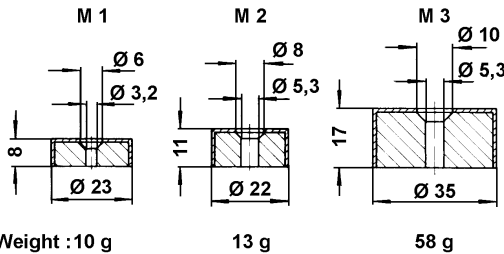
- Continuous caster
- Reheating furnace
- Cooling bed
- Conveyors



Reference	MHM6ISD	MHM25FSE	Dimensions
Output			
Switching capacity	40VA 1A 250 V _≅	60 VA 2A 250 V _≅	
Detection range	M1 ≈ 6 mm	≈ 7 mm	
with magnet	M2 ≈ 10 mm	≈ 11 mm	
	M3 ≈ 26 mm	≈ 40 mm	
Size (mm)	Ø M20 L=80		
Switching hysteresis	≈ 5 mm		
Repeatability	0,2 mm (-10°C to 80 °C)		
Mechanical service life	> 10 ⁹ cycles		
Max. commutation frequency	60 Hz		
Working temperature	-40 to 170 °C		
Housing	Brass		
Protection	IP65		
Cable (1 m standard length)	Silicone with protective braid made of galvanized steel		



Magnetic proximity switches **MHM** are controlled by magnets. There are 3 sizes for different detection ranges. The choice of magnets depends on detection distance and material type of the support. The detection distance will be longer for magnets fixed on steel. On steel the fixing screws should be non-magnetic. If the magnets are separated by less than 60 mm, the polarity should be alternately North-South then South-North.

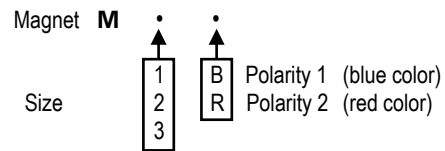


Weight : 10 g

13 g

58 g

REFERENCE FOR ORDER



Connection	Contact protection for inductive loads	Installation Instructions
	<p>230V : R = 820 Ω C = 0,33 µF 115V : R = 470 Ω C = 0,33 µF</p>	

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