

Data sheet

Sensor – Proximity Sensor

M12



MODEL	M12	
	Flush	Non-Flush
Sensing Distance - Sd(mm)	2	4
Sensing Target (Iron)	12x12x1 mm	12x12x1 mm
Sensing Logic	PNP/NPN - NO/NC	
Hysteresis	10% of Sd	
Operating Voltage	10 - 30V DC	
Residual Voltage	<1V	
Voltage Drop	<2.2V	
Current Consumption	< 15 mA	
Operating Current	200 mA	
Operating Temperature	-25°C to +70°C	
Switching Frequency	1000 Hz	500 Hz
Dielectric Strength	1500VAC-50/60 Hz for 1 minute	
Protection Circuit	Surge Protection, Reverse Polarity, Overcurrent Protection	
Shock Test	500m/s ² (50G) - X, Y, Z directions for 3 times	
Vibration Test	1mm amplitude at a frequency of 10-55 Hz in each of X, Y, Z directions for 2 Hrs	
Protection Class	IP67	
Output Indicator	LED - RED	
Housing	Housing-Nickel Plated Brass, Nuts-Nickel Plated Brass(2nos), Washer-Nickel Plated Iron(1no)	
Sensing Face	ABS Plastic (PNP - Green, NPN - Blue)	
Connection	Wire (Brown, Black, Blue) / M12 - 4pin Connector	