



Features

- PROTECTION : Short-circuit, Surge Absorber, Reverse connection
- Red Led Display Can Detect Sensor Work Status
- Easy To Set Up And Adjust Distance
- Waterproof, Anti Oil, Temperature And Other Advantages
- IP67 Protection Structure (IEC Specification)
- 1 Year Warranty



GENERAL CHARACTERISTICS

PARAMETERS	MOUNTING	NPN	PNP
Detection Distance	Non Flush	4mm ± 10%	
	Flush	2mm ± 10%	
Frequency (Hz)	Non Flush	400Hz	
	Flush	600Hz	
Movement Differential	Max.10% of detecting distance		
Standard Detected object	Iron 12X12X1mm		

OPERATING CHARACTERISTICS

Supply Voltage (V)	12-24VDC (5-30VDC)
Current Consumption (mA)	12mA max
Load Current (mA)	200mA max
Voltage Drop (Vp)	1.5V max

ENVIRONMENT

Operating Temperature	-25°C ~ 70°C (Non Freezing Condition)
Ambient Humidity	35% ~ 95% RH
Insulation Resistance	Min 50MΩ/500VDC
Dielectric Strength	1500VAC 50/60Hz for 1 minute

OTHER CHARACTERISTICS

Indicator	Operating	Red LED
Material	Case	Brass
	Detecting surface	ABS
Connection Mode	2M lead wire type	
Protection Grade	IP67 (IEC Specification)	

PROTECTION & SECURITY

Protection Circuit	Reverse Polarity Protection, Surge Absorber, Short Circuit Protection
Vibration	1mm amplitude at 10 ~ 55Hz for 120 min. each in X, Y, Z directions
Shock	500m/s ² (50G) for 3 times in X, Y, Z Directions

ORDER CODE

MODEL(Ø12mm)	TYPE	LOGIC	OUTPUT	MOUNT	RANGE
CMD12-P4-O	DC	PNP	NO	NON FLUSH	4mm
CMD12-N4-O		NPN			
CMD12-P4-C		PNP	NC		
CMD12-N4-C		NPN			
CMD12-P4-OC		PNP	NO+NC		
CMD12-N4-OC		NPN			
CMD12-P2-O		PNP	NO	FLUSH	2mm
CMD12-N2-O		NPN			
CMD12-P2-C		PNP	NC		
CMD12-N2-C		NPN			
CMD12-P2-OC		PNP	NO+NC		
CMD12-N2-OC		NPN			

DIMENSIONS

