

# Data sheet

Installation	Flush
Sensing side diameter	Ø12mm
Sensing distance	2mm
Hysteresis(distance)	Max. 10% of sensing distance
Standard sensing target	12×12×1mm(iron)
Response frequency	1.5kHz
Indicator	Operation indicator (red LED)
Unit weight (packaged weight)	≈ 26 g (≈ 38 g)
Power voltage	12 - 24 VDC <sup>---</sup> (ripple P-P: ≤ 10 %), operating voltage: 10 - 30 VDC <sup>---</sup>
Current specification	Current consumption: Max. 10mA
Control output	≤ 200 mA
Residual voltage	Max. 1.5V
Protection circuit	Surge protection circuit, output short over current protection circuit, reverse polarity protection circuit
Insulation resistance	≥ 50 MΩ (500 VDC <sup>---</sup> megger)
Dielectric strength	Between the charging part and the case: 1,500 VAC~ 50 / 60Hz for 1 min
Vibration	1.0 mm amplitude at frequency of 10 to 55 Hzin each X, Y, Z direction for 2 hours
Shock	500 m/s² (≈ 50 G) in each X, Y, Z direction for 3 times
Environment_Ambient temperature	-25 to 70 °C, storage: -30 to 80 °C (no freezing or condensation)
Environment_Ambient humidity	35 to 95 %RH, storage: 35 to 95 %RH (no freezing or condensation)
Protection structure	IP67(IEC standard)
Connection	Connector models
Connector type	M12 Connector
Material	Case/Nut: PTFE coated brass, washer: PTFE coated iron, sensing side: PTFE

※The response frequency is the average value. The standard sensing target is used and the width is set as 2 times of the standard sensing target, 1/2 of the sensing distance for the distance.