

# Data sheet

|                                 |                                                                                                                                        |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Installation                    | Non-flush                                                                                                                              |
| Sensing side diameter           | Ø18mm                                                                                                                                  |
| Sensing distance                | 14mm                                                                                                                                   |
| Hysteresis(distance)            | Max. 10% of sensing distance                                                                                                           |
| Standard sensing target         | 40×40×1mm(iron)                                                                                                                        |
| Response frequency              | 200Hz                                                                                                                                  |
| Indicator                       | Operation indicator (red LED)                                                                                                          |
| Power voltage                   | 12 - 24 VDC <sup>---</sup> (ripple P-P: ≤ 10 %), operating voltage: 10 - 30 VDC <sup>---</sup>                                         |
| Current specification           | Leakage current: Max. 0.6mA                                                                                                            |
| Control output                  | 2 to 100 mA                                                                                                                            |
| Residual voltage                | Max. 3.5V                                                                                                                              |
| 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             | 1,500 VAC~ 50/60Hz for 1 minute                                                                                                        |
| 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                      | Cable type                                                                                                                             |
| Cable Standard/material         | Standard type cable (black): polyvinyl chloride (PVC)                                                                                  |
| Material                        | Case/Nut: nickel plated brass (DIA. of sensing side Ø 8 mm connector type case: SUS303), washer: nickel plated iron, sensing side: PBT |

※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.  
※Check the condition of connected device.