

# Data sheet

|                                 |   |
|---------------------------------|---|
| Wire type and power             | DC 3-wire type 12-24VDC $\overline{\text{---}}$   |
| Sensing side diameter           | M8  |
| Sensing distance                | 2mm   |
| Installation                    | Flush   |
| Standard sensing target         | 8×8×1mm(iron)   |
| Response frequency              | 1kHz  |
| Current specification           | Current consumption: Max. 10mA  |
| Control output                  | NPN Normally Open   |
| Material                        | Case/Nut: Nickel plated Brass, (connector case of DIA. of sensing side $\varnothing$ 8 mm: SUS303),<br>washer: Nickel plated Iron, sensing side: polybutylene terephthalate,<br>standard cable (black): polyvinyl chloride (PVC),<br>oil resistant cable (gray): oil resistant polyvinyl chloride (PVC) |
| Cable Standard/material         | Oil resistant cable   |
| Protection structure            | IP67(IEC standard)  |
| Body length                     | Standard type   |
| Environment_Ambient temperature | -25 to 70°C, storage: -30 to 80°C   |
| Environment_Ambient humidity    | 35 to 95% RH, storage: 35 to 95% RH   |
| Hysteresis(distance)            | Max. 15% of sensing distance  |
| Residual voltage                | Max. 2V   |
| Weight                          | Approx. 25g(approx. 45g)  |
| Affection by temperature        | $\leq \pm 10\%$ for sensing distance at ambient temperature 20 °C<br>(DIA. of sensing side $\varnothing$ 8 mm: $\leq \pm 15\%$ )  |