

■ ⚠ Caution (Handling)

1. Because this sensor contains a permanent magnet, it could damage magnetic signal in the writable magnetic card such as train ticket and pre-paid card. Please consult with us before applying it in such circumstances.
2. Be sure to provide an appropriate fail-safe function on your product to prevent a second damage that may be caused by an abnormality or failure related to our product.

■ Notice (Storage and Operating Conditions)

1. Please do not apply mechanical shock or pressure on the product because it leads to change in the output level or destruction of magnetoresistive element.
2. Please do not use or keep the sensor in the corrosive gas (Cl₂, NO_x, SO₂, and so on). Metal case might be corroded due to it. Some of our sensor is made with stainless steel case for better resistance to corrosion. If the sensor should be used in such an environment, please consult with us.

■ Notice (Soldering and Mounting)

1. Wiring should be avoided while supply voltage is applied.
2. Do not place the product near high voltage lines or high current lines.
3. Please avoid placing magnetic material or magnetic field generator other than the detected object near to the sensor. It could cause change in the output level, resulting in malfunction of the finished goods.
4. Place the sensor in the correct direction against the gear to be matched with its rotation direction. Otherwise, output level could become too small and phase may be inaccurate.

3. The terminal should be avoided excessive force, rotation or bent.
4. Avoid storing and using the product in the locations where the ambient temperature changes suddenly.

5. Hand soldering should be applied. Soldering should be done in following condition;
Soldering Temperature: 350±10°C less than 3 seconds or 260±5°C less than 10 seconds with soldering iron
Period of time: Within 3 seconds per point
Distance from case: Over 1.5mm
6. Flux should be water-soluble and its chlorine content should be no more than 0.2wt%.
7. Flux cleaning should be done by hand brushing.
8. Prevent the flux cleaning solvent from splashing on the product.