



Checking the switch ON/OFF of relay contact

OUTLINE / PREVIOUS

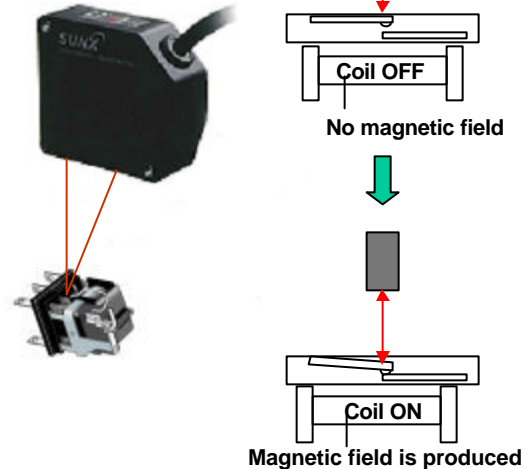
Customer: Electric components manufacturer
Machinery: Relay operation inspection machine

The operation of relay contact (moving part) is confirmed.

PROBLEM

Highly accurate sensor with small beam spot is required.

SOLUTION



MODEL / HOW TO

HL-C203F HL-C2C HL-C2AiM

When a current flows through the coil, relay contact makes connection and the moment of contact bounce is measured.

BENEFIT 1 Highly accurate

HL-C203F is a displacement sensor with performance of sampling 100kHz, linearity $\pm 0.03\%$, and resolution (*) $0.025\mu\text{m}$, so that the distance to the contact point can be accurately measured. * **HL-C203FE** is not subject to control and its resolution is $0.25\mu\text{m}$ (used with controller **HL-C2CE**).

BENEFIT 2 Beam spot diameter F $30\mu\text{m}$

Beam spot as small as F $30\mu\text{m}$ enables to detect a contact point of a relay unit.
 * Beam spot diameter F $30\mu\text{m}$ is the size at the measurement center distance of 30mm in diffuse reflective mode.

BENEFIT 3 Intelligent monitor

Optional **HL-C2AiM** helps to monitor the measurement, which brings to set more stable measurement conditions with a PC.