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1. MOS-05-VS-BK

1.1. Opening sensor



Model number:	**MOS-05-VS-BK**
Mounting:	Surface mounting on movable panels (doors, windows, cabinets)
Packaging	1 Pack = 10 sensors

1.2. General description

MOS-05-VS-BK is a magnetic NC (Normally Closed) contact sensor supplied without pre-installed wires and designed for field wiring using integrated screw terminals. It is intended for detecting the opening and closing of doors, windows, or cabinets. The sensor provides a closed contact when the magnet is present, making it suitable for intrusion detection, security, and automation system integration.

1.3. Features

- Normally closed type **(NC)**: when the magnet is close to switch, the contacts are closed.
- Sensor is a reed switch, operated by an applied magnetic field.
- ABS housing – durable plastic enclosure suitable for indoor installations.
- Surface mounted design – suitable for visible installation on doors, windows, cabinets, or movable panels.
- Terminal connection – allows flexible field wiring during installation.
- Designed for use with HIQ systems.

1.4. Specifications

Type:	Magnetic Opening Sensor
Model:	MOS-05-VS-BK
Connecting mode:	NC. (normally closed)
Material:	ABS Plastic
Color:	White
Size:	50 * 14 * 12 mm
Maximum Switching Current:	≤ 0.5 A
Maximum Switching Voltage:	≤ 100 V DC/AC
Maximum Switching Power:	~10 W
Connection Type:	Terminal block
Operating distance:	Approximately 15-20 mm
Mounting:	Surface mounting (screw or adhesive installation)

1.5. Integration Notes

Dry contact output:

- MOS-05-VS-BK provides a mechanical reed contact output and does not generate voltage signals. The receiving device must support dry contact inputs.

NC operation logic:

- The circuit remains closed while the magnet is aligned with the sensor. When the door or window opens and the magnet moves away, the circuit opens and triggers the monitoring system.

Installation positioning:

- The sensor and magnet must be aligned and installed within the specified operating gap distance to ensure reliable detection..

Electrical limits:

- The switching voltage, current, and power ratings must not be exceeded to avoid damaging the reed contact.

Wiring and Terminal Information:

- MOS-05-VS-WH is supplied without pre-installed wires and is designed for field wiring using small integrated screw terminals. The terminals use cross-head screws, allowing secure conductor attachment during installation. The maximum supported conductor cross-section is 0.5 mm^2, ensuring reliable electrical connection while maintaining compact terminal dimensions.

1.6. Dimensions



