

SEMARS DIGITAL

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Smart Equipment Monitoring
and Resolution System

SENSORS DATA SHEET

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01

Metallic Door Sensor

The Metallic Door Sensor is a surface-mounted magnetic contact sensor designed to detect the open or closed status of metallic doors. It features a rugged construction with a flexible metal conduit for durability and protection in industrial environments. The sensor provides a Normally Closed (NC) output and is ideal for security and monitoring applications.



Its features and applications are as follows:

1.1 Key Features:



Surface-Mounted Magnetic Contact Sensor

Industry Standard Sensor



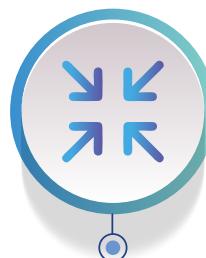
Durable Metallic Casing With Flexible Conduit

Milli Amps Current Intake



Normally Closed (NC) Output Configuration

Range of Voltages Supported



Compact and Robust Design

Alarms and Buzzer Indication



Reliable Switching Performance

Blocks False Alarms

1.2 Applications:

- **Telecom cabinet door monitoring**
- **Industrial facility access control**
- **Server room security systems**
- **Smart infrastructure automation**
- **Warehouse and logistics area monitoring**

This type of sensor is particularly suitable for industrial or commercial environments requiring precise monitoring and integration with existing systems.

1.3 Specifications

SL No.	Specification	Value
1	Sensor Type	Surface-Mounted Magnetic Door Contact
2	Contact Form	Normally Closed (NC)
3	Switching Capacity	5W (Max)
4	Switching Voltage	12V DC (Max)
5	Switching Current	0.25A DC (Max)
6	Breakdown Voltage	24V DC (Min)
7	Contact Resistance	≤ 1 Ohm

1.4 Note:

Operating and storage conditions :

- Designed specifically for metallic doors.
- Flexible conduit protects wiring and enhances durability.
- Can be integrated with alarm systems or monitoring platforms.

Certifications :

- CE Certified
- RoHS Compliant
- ISO 9001 Manufacturing Standards

Attention :

- Do not exceed rated voltage or current.
- Avoid installation near strong magnetic fields.
- Ensure proper alignment of sensor and magnet for accurate detection.
- Not suitable for non-metallic doors without modification.
- Do not expose to moisture or corrosive environments.



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