

# SEMARS DIGITAL

## SEMARS

Smart Equipment Monitoring  
and Resolution System

## SENSORS DATA SHEET

### SEMARS DIGITAL

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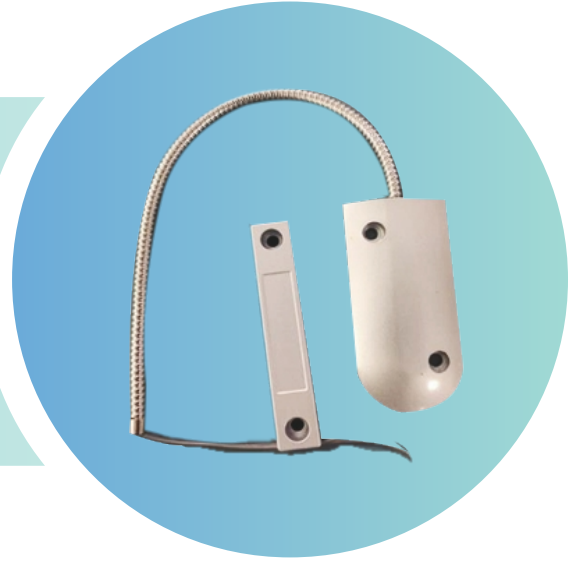
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01

## 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.



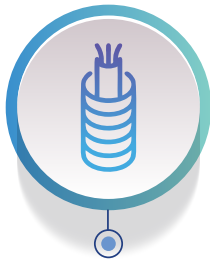
Its features and applications are as follows:

### 1.1 Key Features:



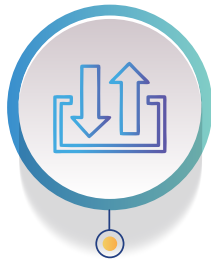
**Surface-Mounted  
Magnetic Contact  
Sensor**

Industry  
Standard  
Sensor



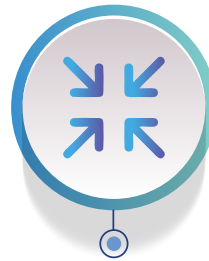
**Durable Metallic  
Casing With  
Flexible Conduit**

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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