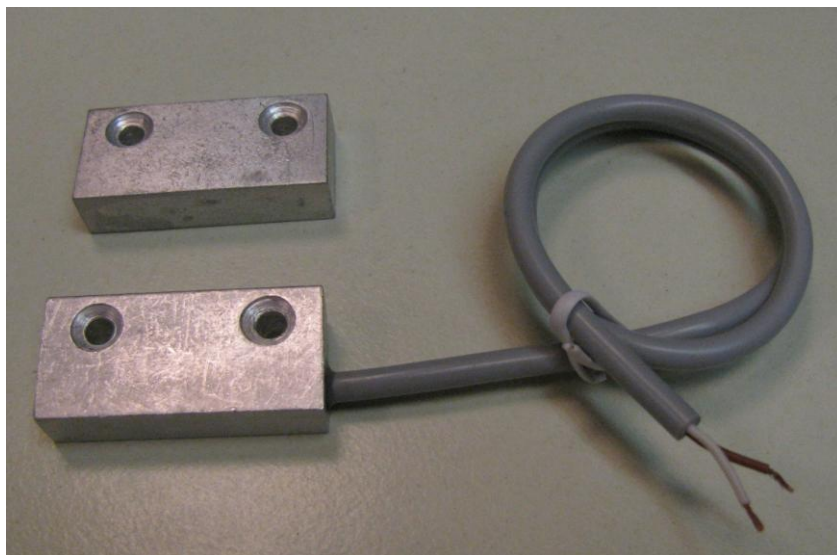


Cellocator Door Sensor Overview



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1 Introduction

1.1 Overview

The 712-20023 Cellocator Door Sensor is a massive and rugged device used to detect the opening of doors, especially in container / trailer applications. The Door Sensor is based on a rectangular magnet and rectangular proximity switch, normally open, based on reed relay.

1.2 Compatibility

The Cellocator Door Sensor can be used with any Compact unit supporting a digital input.

1.3 Abbreviations

Abbreviation	Description
PN	Part Number

1.4 References

#	Reference	Description
1		

1.5 Revision History

Version	Date	Description
1.0	3/8/2010	Initial Release



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2 Installation

2.1 Cellocator Unit Integration

The Door Sensor shall be connected to one of the digital inputs of the Cellocator unit and to the Vehicle GND.

2.2 Installation Instructions

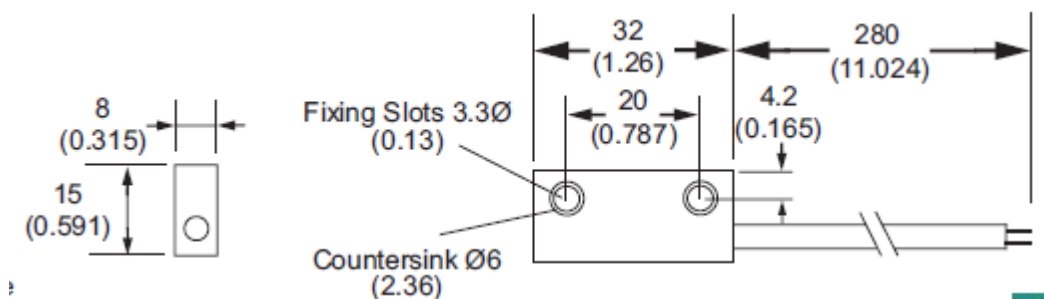
The device should be installed according to the following instructions:

1. Install the magnet on the door.
2. Install the proximity switch on the vehicle body, aligned to the magnet.
3. The distance between the magnet and the proximity switch shall be less than 10mm when the door is closed and more than 25mm when the door is open.
4. Connect one of the proximity switch wires to the Vehicle GND and the other one to one of the digital inputs of the Cellocator unit.

3 Technical Specifications

3.1 Proximity Switch Specifications and Dimension Diagram

Parameter	Value
Contact style	Normally open
Switching distance to close	≤ 10.0 mm
Switching distance to open	≥ 25.0 mm
Switching voltage	200 Vac
Switching current	0.5A
Switching capacity (resistive)	10VA
Operating temperature - continuous	-20°C - +75°C
Operating temperature - intermittent	-25°C - +85°C
Storage temperature	-25°C - +85°C
Case material	Aluminum
Dimensions	32mm x 15mm x 8mm
Cable length	280
Cable wires	2X0.14 mm ² PVC covered



3.2 Magnet Specifications and Dimension Diagram

Parameter	Value
Dimensions	32mm x 15mm x 8mm
Case material	Aluminum
Style	Rectangular

