

General principle

With this option, a signal is given when one or many doors are open. A light for the compartment and a signal for the cabin crew can be wired to this sensor.

Magnetic sensor

An orange cap including a magnet is installed on each side of the roll-up door on the seventh slat going upwards from the bottom of the door. An ILS waterproof sensor is installed on one of the tracks at a specific height in order to be in front of the magnet inserted in the shutter when it's closed (Cf plan 1). The position of the sensor is easily adjustable if necessary.

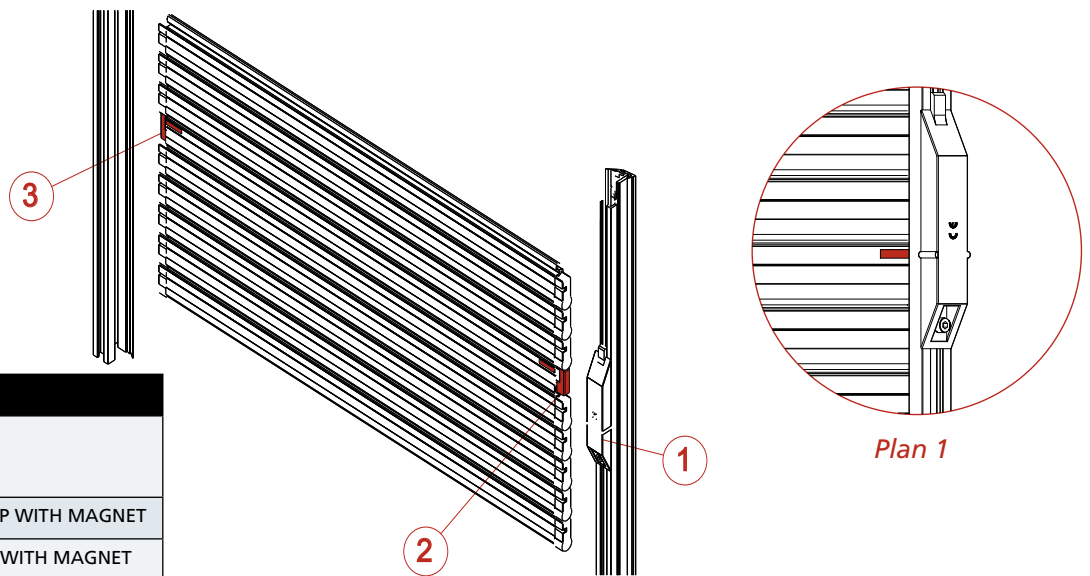
When the door is opened, the lighting in the compartment and the signal are switched on.

Warning: this lighting is only switched on after 3 seconds of temporisation in order to avoid flashes in the cabin due to movements of the shutter when the vehicle runs.

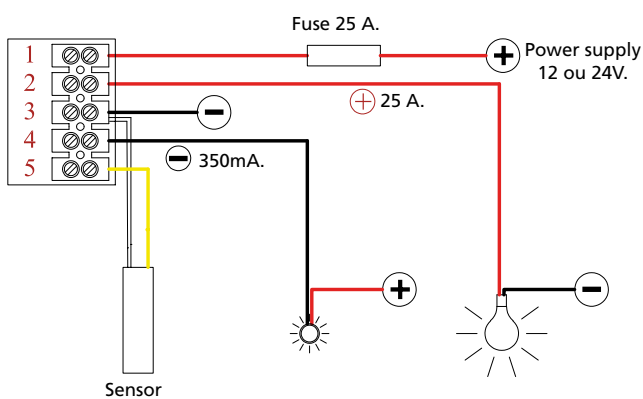
There are two types of sensors:

A) The *indirect sensor* uses only 2 cables so as to transmit information regarding the position of the door. The signal must be relayed to have enough power for the lamp inside the compartment. We can supply this relay if needed.

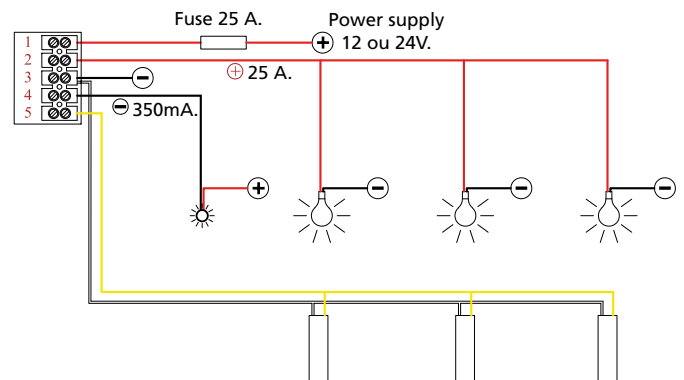
B) The *direct sensor* has its own electronics enabling it to provide power for lighting up to five amps without using relays.



A- Indirect wiring diagram

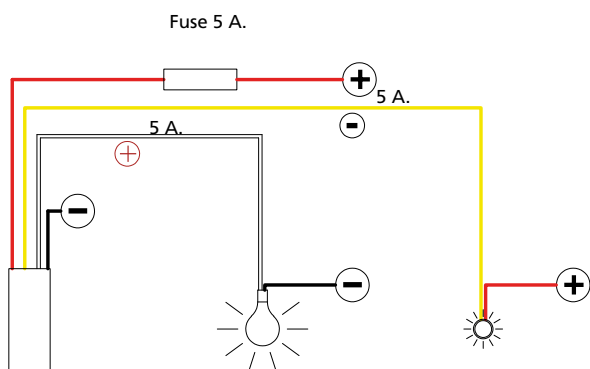


One door

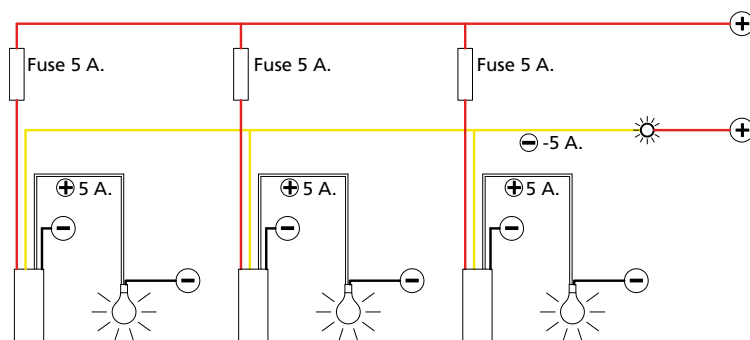


Many doors

B- Direct wiring diagram



One door



Many doors

Mechanical sensor



A plastic part installed on the side end of the slat, is used to keep the micro-switch lever in turn off position.

At the opening, the shutter move and change the plastic part position, setting free the micro-switch lever, activating the electric contact.

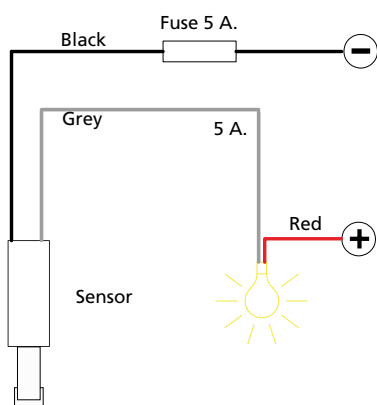
The contactor being fixed on a special support, you can adjust the set position, in order to have the contactor's wheel in front of the middle of the plastic part in closed position.

By its position on the track, the micro-switch is protected by the shutter wheel guidance.

Closed position



Wiring diagram



Opened position

