DC418

EN Grade IV surface mount magnetic contact, 4m

The magnetic detector DC418 which is certified according to the requirements of EN 50131-2-6 grade 4 and VdS Class C, allows for contact-free opening monitoring of doors and windows in accordance with the highest security requirement specifications.

Compared to other high-security magnetic detectors, this product also has enhanced external field monitoring, which can be used to detect an abnormally large difference between the code that was applied and the code that was taught in.

The ability to teach-in this detector to one of eight different magnet variants at the installation location provides for a higher level of security and allows the system to remain relatively flexible with respect to tolerances. The code is assigned at the installation location and is not already defined for the detector at the factory. If a magnetic component is lost or damaged, you can simply replace it with a new one and then teach-in the detector to the new component.

According to the EN the connection wires are suitable for the connection of an alarm wire loop. The maximum number of detectors that can be connected in series for the evaluation is based on the maximum permitted values of the relevant alarm system.

The electronic switches, are potential-free relating to direct current from the rest of the circuit, and are closed when not in use.



Details

- Certified to the highest possible security standard for magnetic switches
- High dust and humidity resistance (IP67)
- Enhanced external field monitoring
- Ability to teach-in to one of eight different magnet variants
- LED providing feedback for installer during entire teach-in process
- Protection against removal of the sensor from the installation surface

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Technical specifications

General

Application type	Surface mount
Connectivity	electronic switch

Wired/wireless

Wired-wireless	Wired
Operating gap	5-12 mm

Electrical

Power consumption	monitoring mode : 5mA, learn-in mode LED : max 13mA
Current consumption	max. 50 mA
Voltage	12 to 24 VDC

Physical

Dimensions magnet	80 x 15 x 20 mm
Dimensions contact / sensor	80 x 18 x 20 mm

Environmental

Operating temperature	-40°C to +70°C

Regulatory

EN50131 grade	Grade 4

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