

VANDERBILT

Magnetic contacts

Discreet, efficient protection for modern premises

Alarm signalling and access control for doors, gates and windows

www.vanderbiltindustries.com



MK-series magnetic contacts overview



MK-1000 Series



The MK-1000 series magnetic contact is suitable for surface mount in ferromagnetic materials (eg steel doors) and the screw terminals allow for easy installation.

- Connection via screw terminals
- Discreet and varied installation
- Constant sensitivity over a wide temperature range

MK-2000 Series



The magnetic contacts of MK-2000 series have a self-tapping thread that allows direct and flush mounting without additional accessories in wood or plastic materials.

- Self-locking screw housing with torx profile
- Good long-term stability
- Can be used for steel doors and gates
- Protection to IP67 for applications inside and outside
- Convenient mounting

MK-2400-Sx Series



The special magnetic contacts of the MK-2000 series are particularly robust and well suited for outdoor applications. In addition, a metal tube protects the cable from damage.

- Robust housing made of Aluminum and polyamide
- Metal tube for cable protection
- Protection category IP67
- Good long-term stability
- Convenient mounting

MK-3000 Series



The MK-3000 Magnetic Contacts mounting is used in alarm systems and access control systems for monitoring doors, gates and windows against unauthorised opening.

- Excellent operation even on iron doors
- Discreet and varied installation
- Constant sensitivity over a wide temperature range
- High reliability guaranteed by reed switch
- Variants with built-in resistors

MK-4000 Series



The magnetic contacts of the MK-4000 Series are designed for installation on wooden or plastic frames.

- Connection via screw terminals
- High long-term stability
- Maintenance-free and easy to install
- Attractive plastic housing
- Variants with built-in resistors
- Plastic housing with tamper switch

MK-6000 Series



The special MK-6000 -1 installation bracket promotes versatile installation.

- Discreet and varied installation
- Constant sensitivity over a wide temperature range
- High reliability guaranteed by reed switch
- Variants with built-in resistors

Portfolio overview



MK-1000 Series

Type	Description	Order No.
MK-1400	Magnetic contact	S54536-F101-A100

MK-2400-Sx Series

Type	Description	Order No.
MMK-2400-S1	Magnetic contact S1, 6 m cable, 1 m metal tube	S54536-F104-A100
MK-2400-S2	Magnetic contact S2, 6 m cable, 0.5 m metal tube	S54536-F104-A200

MK-6000 Series

Type	Description	Order No.
MK-6000-1	Plastic adapter	S54536-M109-A100
MK-6400-5	Magnetic contact, 5 m cable	S54536-F119-A100
MK-6400-10	Magnetic contact, 10 m cable	S54536-F119-A200
MK-6400-5-2x4K7	Magnetic contact, 5 m cable, 2 x 4k7 ohm resistor	S54536-F120-A100
MK-6400-5-2x16K2	Magnetic contact, 5 m cable, 2 x 16k2 ohm resistor	S54536-F120-A200

MK-2000 Series

Type	Description	Order No.
MK-2000-1	Plastic adapter	S54536-M101-A100
MK-2000-2	Plastic adapter with strong magnet	S54536-M101-A200
MK-2000-3	Housing for surface mounting	S54536-H101-A100
MK-2000-4	Housing for surface mounting with strong magnet	S54536-H101-A200
MK-2000-31	Plastic adapter, round 0.008 kg	S54536-M102-A100
MK-2000-32	Plastic adapter, round, with strong magnet	S54536-M102-A200
MK-2400-2	Magnetic contact, 2 m cable	S54536-F102-A100
MK-2400-6	Magnetic contact, 6 m cable	S54536-F102-A200
MK-2400-10	Magnetic contact, 10 m cable	S54536-F102-A300
MK-2400-20	Magnetic contact, 20 m cable	S54536-F102-A400
MK-2400-2	Magnetic contact, 2 m cable, 1kOhm resistor	S54536-F103-A100
MK-2400-2	Magnetic contact, 2 m cable, 2 x 2k2 ohm resistor	S54536-F103-A200
MK-2460-6	Magnetic contact, 6 m cable, change-over contact	S54536-F105-A100
MK-2470-2	Magnetic contact, 2 m cable, two reed contacts	S54536-F106-A100
MK-2500-2	Magnetic contact, short version, 2 m cable	S54536-F107-A100
MK-2500-6	Magnetic contact, short version, 6 m cable	S54536-F107-A200
MK-2500-10	Magnetic contact, short version, 10 m cable	S54536-F107-A300
MK-2500-25	Magnetic contact, short version, 25 m cable	S54536-F107-A400
MK-2700-2	High security magnetic contact, 2 m cable	S54536-F108-A100
MK-2700-6	High security magnetic contact, 6 m cable	S54536-F108-A200
MK-2700-20	High security magnetic contact, 20 m cable	S54536-F108-A300
MK-2720-6	High security magnetic contact, 6 m cable, change-over contact	S54536-F109-A100





MK-3000 Series

Type	Description	Order No.
MK-3000-11	Plastic adapter for non ferromagnetic materials	S54536-M103-A100
MK-3000-32	Plastic adapter for ferromagnetic materials	S54536-M104-A200
MK-3000-15	Housing for surface mounting	S54536-H102-A200
MK-3400-2	Magnetic contact, 2 m cable	S54536-F110-A100
MK-3400-5	Magnetic contact, 5 m cable	S54536-F110-A200
MK-3400-10	Magnetic contact, 10 m cable	S54536-F110-A300
MK-3400-15	Magnetic contact, 15 m cable	S54536-F110-A400
MK-3400-25	Magnetic contact, 25 m cable	S54536-F110-A500
MK-3400-5-2x4K7	Magnetic contact, 5 m cable, 2 x 4k7 ohm resistor	S54536-F111-A100
MK-3400-5-2x16K2	Magnetic contact, 5 m cable, 2 x 16k2 ohm resistor	S54536-F111-A200
MK-3700-6	High security magnetic contact, 6 m cable	S54536-F112-A100
MK-2400-2	Magnetic contact, 2 m cable, 2 x 2k2 ohm resistor	S54536-F103-A200
MK-2460-6	Magnetic contact, 6 m cable, change-over contact	S54536-F105-A100

MK-4000 Series

Type	Description	Order No.
MK-4000-1	Mounting bracket, L-shape	S54536-M105-A100
MK-4000-2	Extra strong magnet	S54536-N101-A100
MK-4000-3	Spacer for contact part, 3 mm	S54536-M106-A100
MK-4000-4	Spacer for magnet part, 3 mm	S54536-M107-A100
MK-4000-5	Mounting bracket, Z-shape	S54536-M108-A100
MK-4400	Magnetic contact	S54536-F113-A100
MK-4400-1K	Magnetic contact, 1k ohm resistor	S54536-F114-A100
MK-4400-2K2	Magnetic contact, 2k2 ohm resistor	S54536-F114-A200
MK-4400-2x5K6	Magnetic contact, 2 x 5k6 ohm resistor	S54536-F114-A300
MK-4400-4K7	Magnetic contact, 4k7 ohm resistor	S54536-F114-A400
MK-4460	Magnetic contact, change-over contact	S54536-F115-A100
MK-4470	Magnetic contact, two reed contacts	S54536-F116-A100
MK-4700	High security magnetic contact	S54536-F117-A100
MK-4720	High security magnetic contact, change-over contact	S54536-F118-A100

Technical data

Further information and technical specifications are available in the respective product datasheets and online on the Vanderbilt website

MK-series magnetic contacts



MK-series magnetic contacts are universally used in alarm signalling systems and security access control systems to protect doors, gates and windows against unauthorised opening.

An extensive array of installation accessories permits the use of these contacts in almost any interior or exterior application.

Function

All magnetic contacts consist of two parts, i.e. the reed contact and a permanent magnet. They are mounted at a defined distance on the fixed and the movable parts of the object to be protected.

The reed contact is held closed by the force field of the permanent magnet. If the distance between the reed contact and the magnet increases, the magnetic field becomes weaker in the reed contact and causes the reed contact to open and interrupt the electric circuit.

The MK-4000 and MK-2000 series also include a type with a change-over contact and a high security version.

Installation

The installer should ensure that the air gap between the fixed and the moveable parts does not permit sabotage. The reed contact is mounted into the fixed part of the object to be protected, and the magnetic part is mounted into the moveable part of the object. Because of the very flexible connection cable to the contact, installation is easy, even if the cables have to be bent.

For use in other materials or in locations where direct use of contacts and magnets is not possible, a plastic adapter set is available; the contact can be mounted to one side and the magnet to the other.

Installation of MK2000 series

The MK-2000 series has a self-cutting and self-locking thread, which permits direct sunk installation in wood and plastic objects without any additional accessories.

Installation of MK4000 series

The magnetic contacts of the MK-4000 Series are designed for installation on wooden or plastic frames of the objects to be protected. When the contacts are to be mounted on metal frames, spacers (accessories) must be fitted.

The information in this document contains general descriptions of technical options available, which may not always need to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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