

Synergy in technics.



Level and Magnetic sensors/switches

In the fast growing industry of refrigerators, freezers, microwave ovens, stoves etc. **safety elements that detect the status of the appliance** (open/closed door etc.) are required. This is the perfect job for magnetic sensors and switches.

We offer you the **development and production of magnetic and temperature switches** according to your wishes and applicability demands. We guarantee products of **top quality, made with the most up-to-date technological procedures and equipment.**

Switches and sensors are adequately protected with the use of appropriate housings and two-component epoxy-resins used to fill the electronic components. This way **our switch or sensor is more compact, has higher breakthrough solidity and a certain level of IP protection.**

What are the advantages in using REED switches?

They are **hermetically sealed** in a glass environment, free from contamination, and safe to use in harsh industrial and volatile environments. REED switches are **passive and immune to electrostatic discharge (ESD)** and do not require any external ESD protection circuits. The **isolation resistance** between the contacts is as high as **1015 ohms**, and contact resistance is as low as **50 milli-ohms**. REED switches can **directly switch loads as low as a few micro-watts** without needing external amplification circuits, to as high as **120 W**. When used in combination with magnets and coils, they can be used to form many different types of relays.

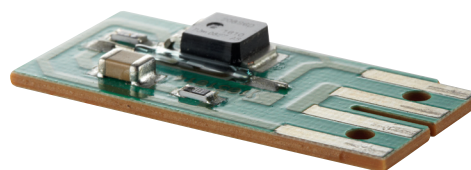
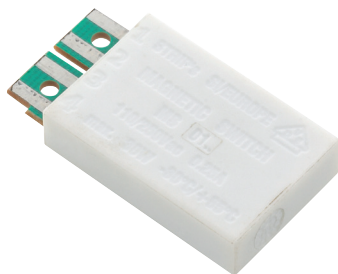
MAGNETIC SWITCH

Features:

- Flashover protection! Flashover effect can appear at the end of the lifetime of lamp/bulb
- IDC connection system
- Explosion-proof solid construction protects against moisture, hazardous gases and dust
- Small size
- Other switching rating available
- Deliverable with permanent magnet
- Integrated REED switch is UL recognized
- VDE approved

Applications:

- Household applications (door switch in refrigerators, freezers)
- Alarm systems



Applications:

- **Door sensors** for door detection (open/closed) – designed in many shapes and sizes depending on customers request or specific application. Used in refrigerators, freezers, microwave ovens, stoves etc.
- **Level sensors** for indicating minimum or maximum liquid level in coffee machines, laundry dryers, dishwashers (spray arms, level control of softener in dishwashers) etc.
- **Other sensors** for security (window sensors, position sensing etc.), computers (laptop closure sensing, keyboards, printer sensor, copier position sensor etc.) toys (game board positions, modelling, doll-position sensing, model train/car sensing etc.), weather indicators (wind speed sensing, inside/outside temperature sensing etc.), motor rotating, thermostats, bicycle speed/meters sensing, test and measurement equipment etc.

MAGNETIC SENSORS

Features:

- **Integrated REED switch**
- Normally open or normally closed
- Other cables and form available
- Optional PCB mounting
- **Different connector systems**
- Wide sensitivity ranges available
- Different mounting principles
- Optional with integrated magnet

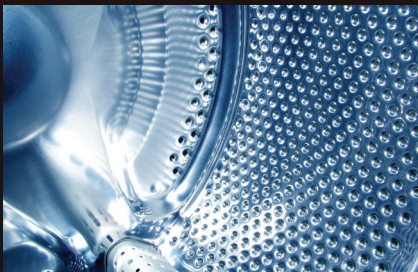
Applications:

- Household appliances
- Office equipment
- Position and limit switch
- Door and window contact (security systems)
- Level sensor
- Machinery safety and control

Remarks:

- Sensor Materials (PVC, PA) are not specified for direct food contact





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Quality, as one of the most important elements, is manifested as great attention to quality assurance, as well as investment in quality management system. We are certified by ISO 9001:2008 and ISO 14001:2004.