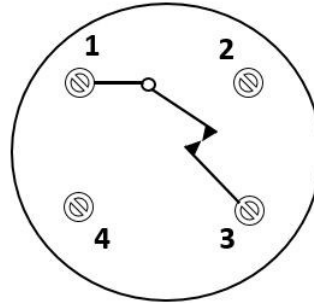




CIRCUIT DIAGRAM



DESCRIPTION

The magnetic contact MC 140 is designed for recessed mounting in frames of doors and windows as a protection against unauthorised opening. It has 4 screw terminals.

MOUNTING INSTRUCTIONS

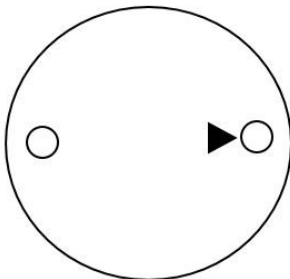
- The magnetic contact is designed to be mounted in predrilled holes in wood or plastic with diameter \varnothing 19-20 mm
- Mounting in ferromagnetic material is not recommended
- The contact and magnet should be mounted axial towards each other. The contact in the stationary part of the monitored object (ex. door frame) and the magnet in the movable part (ex. door leaf)
- Alignment marks should point in the same direction
- After the installation, use an ohmmeter to check the electrical connections and test the function of the magnetic contact.

OPERATING PRINCIPLE

MC 140 magnetic contact has two parts: the contact part with a reed switch and the magnet part. In its neutral position the reed switch remains closed under the force of the magnetic field. Opening the monitored object increases the distance between the reed switch and the magnet. This reduces the influence of the magnetic field on the reed switch until it opens and activates an alarm.

Magnetic contacts should not be installed in the vicinity of strong magnetic fields.

ALIGNMENT MARKS



TECHNICAL DATA

Working environment	Wood	Steel
Make distance	Typ. 21 mm \pm 30%	Not recommended
Break distance	Typ. 24 mm \pm 30%	Not recommended
Contact type	form A (SPST)	
Switching voltage max.	48 V DC/AC	
Switching current max.	400 mA DC/peak AC	
Contact rating max.	10 W	
Environmental class (EN50130-5)	II	
Operating temperature range	-40°C to +70°C	
Operating humidity range	max. 95% r. h.	
Housing material	ABS plastic	
Dimensions:		
Contact part	ϕ 35 x 19 mm	
Magnet part	ϕ 35 x 12 mm	
Security grade (EN 50131-2-6)	1	
Approvals	VdS EN-ST-000094, SBSC 10-30, INCERT B-582-1003	