

# Innovations

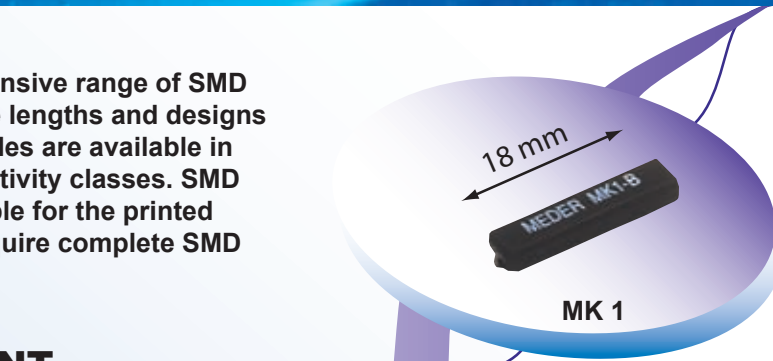
by **MEDER electronic** E2/07

MEDER has a comprehensive range of SMD reed switches in diverse lengths and designs for connections. All modes are available in different magnetic sensitivity classes. SMD reed switches are suitable for the printed circuit boards which require complete SMD mounting.

## SURFACE MOUNT

## REED SWITCHES

### COMPACT!



### J-Lead Connections

- The over-moulded reed-switch **MK1** series is also available with switch form C.
- Several AT ranges for pull-in and drop-out sensitivities are available.
- Low profile packaging with a height of only 3.25mm and a length 18mm.

*Applications: hook switch in mobile phone, microphones on/off control switch, connection detection in battery chargers.*



### Magnetically Operated Reed Proximity Switches

- Three different lengths of the **MK15**, **MK16** and **MK17** series fulfil your space limit.
- Two lead designs: 1 = flat straight and 2 = flat bent.
- Provided in standard 32mm tape according IEC286 / part 3.
- Excellent for low power operations.
- No external power required for sensor operation.

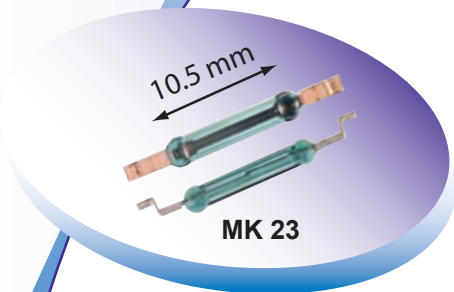
*Applications: electronic PCB's where all components are surface mounted, flap switch in notebook and mobile phone.*



### Over Moulded Reed Switches with Extra Flat Leads

- The switch **MK22** series is developed special for SMD mounting.
- Available for different pad-layouts.
- Two lead designs: 1 = flat straight and 2 = flat bent.
- Tape and reel package for fully automatic pick-and-place robot.

*Applications: water- and gas-counter, end-position control, on PCB's where all components require surface mounting.*



### Naked Reed Switches as Low-Cost Solution

- The **MK23** series is a low-cost version of the MK22 series.
- All features are similar to the MK22 series.
- Glass with a length of 10.5mm and height of 1.8mm.
- Reflow soldering accords with JEDEC norm J-STD-020C.

*Applications: household appliance, security systems, medical equipment, computer, automotive.*

### Micro Machine Sensor

- The series **MMS** is a magnetically actuated SMT micro-switch.
- The size is of only 2.05mm x 2.8mm.
- It has high shock resistance min. 5000 g.
- It is designed for low power devices.

*Applications: medical pacemaker and insulin pumps, hearing-aid, key-identification, PDA, CMOS gates.*

