

Size in MM	5	6.4	7	8.3	8.5	10	10.5	11.6	12	12.7	14	16	18	21	22.5
Overmolded Series MK##	24	31		10	17			16				15	01		30
Bare glass Series MK23-###			80			87 400	35		46	501	90 66			52 85	



### EXCELLENT FOR A VARIETY OF LOW-POWER OPERATIONS

Based on reed switch technology known for long life switching for billions of operations, Standex Electronics environmentally-sealed Surface Mount (SMD) Reed Sensors can effectively sense from up to 44 mm while providing a long-lasting, reliable performance.

Drawing no power in their normally open contact state, SMD reed sensors are ideally suited for battery-powered and portable medical devices.

In addition to a long switching life, these sensors are also physically robust. Featuring a unique hermetic seal and no wearing parts, they can outlast mechanical switches for an unusually long life in millions of operations.

Markets: Medical, Consumer Goods, Metering, Security/Gate Control, Telecommunication & Others

## PRODUCT SOLUTIONS | SURFACE MOUNT (SMD) REED SENSORS

### Features

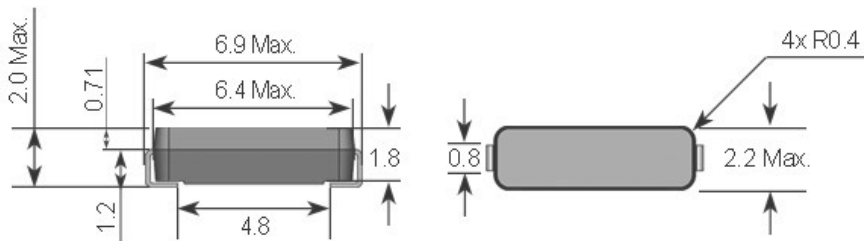
- › Compact size as small as 5 mm
- › 5 different surface mount lead designs
- › 9 different switch models
- › Hermetically sealed
- › Dynamically tested contacts
- › 3W to 100W switching (AC/DC loads)
- › Easily mounted to PCB (auto pick/place)
- › Various SMD termination styles
- › Bare glass versions for low-cost manufacturing
- › Overmolded versions for environmental stability
- › Millions of reliable operations
- › No external power required
- › Tape & Reel packaging (IEC 60286-3)

### Applications

- › Portable devices
- › Limit switches
- › Push button sensors
- › Low-power miniature devices
- › Position sensors
- › Non-contact switching
- › Telecommunications
- › Handheld devices
- › Cell phones
- › Medical devices

### MK31 Specifications

The latest edition to our line of SMD reed sensors is the new MK31 Series. Featuring a powerful, robust and ultraminiature design that is 20% smaller than the competition (measuring only 6.4 mm x 1.95 mm x 2.2 mm), the MK31 Series is capable of switching a minimum of 50 million reliable operations in a wide variety of low-power and space-limited applications.



Specifications	Min	Max
Rated Power (W)		3
Switching Voltage (VDC)		30
Switching Current (A)		0.3
Insulation Resistance (GOhm)	10	
Working Temperature	-40°C	+115°C
Operating Range (AT)	5	30

