



Application Alley

Reed Switches

Why Standex Reed Switches?

Standex Electronics is the world's largest manufacturer of reed switches (>700M/yr) with >50% market share offering the most comprehensive listing of reed switches that cover the majority of low power switching requirements. Because reed switches are hermetically sealed (glass to metal seal) they are impervious to all environments. This opens up a vast number of applications where they are the only technology capable of meeting specific requirements where certain mechanical switches and semiconductor switches are environmentally limited.

Reed relays and reed sensors both use the reed switch as the heart of their switching mechanism. New applications continue to arise at a significant pace for both products because of the reed switch's unique switching capability. What is driving these new applications is the ever broadening of new reed relay, reed sensor and fluid level designs by Standex Electronics. Our solutions include KOFU (formerly OKI Sensor Device Corp.), MEDER and KENT brand reed switches...



Why Standex Electronics Switches?

- Passive Component => Zero Power consumption
- Binary Signal
- Ability to switch up to 10,000 Volts
- Ability to switch currents up to 5 Amps
- Ability to switch or carry as low as 10 nanoVolts and as low as 1 femtoAmp without signal loss
- Ability to switch or carry up to 7 GigaHz with minimal signal loss
- Isolation across the contacts up to 10¹⁵ W
- Contact resistance (on resistance)
- Ability to offer a latching feature
- Operating range -55°C to 200°C
- Ability to withstand shocks up to 200 g
- Ability to withstand vibration environments of 50 Hz to 2000 Hz at up to 30 g
- Long life - switching will operate well into the billions of operations
- Ability to operate in all types of environments

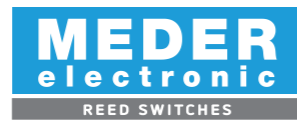
Parameters to Consider when choosing a Reed Switch

- Pull-in (the points where the contacts close)
- Drop-out (the points where the contacts open)
- Form SPST-NO/-NC, SPDT, Latching
- Glass length
- Long life expectancy
- Hysteresis
- Switching voltage
- Switching current
- Switching Power

Industry applications

Appliances, Automation, Automotive, E-mobility, Industry 4.0, Medical, Metering, Security, Solar Energy, Test- and Measurement, Transportation and others

Find out more about our ability to propel your business with our products by visiting www.standexelectronics.com or by giving us a hello@standexelectronics.com today! One of our brilliant engineers or sales leaders will listen to you intently.



KOFU REED SWITCHES

- Largest global production volume >500M/yr
- Widest product range 7mm - 21mm
- Highest industry quality/long life
- Suitable for high-rel automotive & ATE
- Meet high voltage/breakdown requirements

MEDER REED SWITCHES

- Mechanized manufacturing in Germany
- World's smallest 3.9mm
- Unique flat blade ideal for surface mounting
- High voltage vacuum version in 10mm
- Paddle oriented/SMD

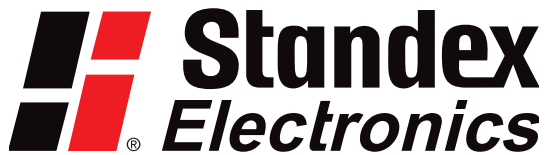
KENT REED SWITCHES

- Manufactured in the UK
- Pressurized-Rhodium-Switches
- Highly automated
- Industrial grade-security, appliance, consumer
- Helix SMD



Our products are recognized





PARTNER | SOLVE | DELIVER®

About Standex Electronics

Standex Electronics is a worldwide market leader in the design, development and manufacture of standard and custom electro-magnetic components, including magnetics products and reed switch-based solutions.

Our magnetic offerings include planar, Rogowski, current, and low- and high-frequency transformers and inductors. Our reed switch-based solutions include KOFU, MEDER and KENT brand reed switches, as well as a complete portfolio of reed relays, and a comprehensive array of fluid level, proximity, motion, water flow, HVAC condensate, hydraulic pressure differential, capacitive, conductive and inductive sensors.

We offer engineered product solutions for a broad spectrum of product applications in the automotive, medical, test and measurement, military and aerospace, as well as appliance and general industrial markets.

Standex Electronics has a commitment to absolute customer satisfaction and customer-driven innovation, with a global organization that offers sales support, engineering capabilities, and technical resources worldwide.

Headquartered in Cincinnati, Ohio, USA, Standex Electronics has ten manufacturing facilities in seven countries, located in the United States, Germany, China, Mexico, United Kingdom, India and Japan.

For more information on Standex Electronics, please visit us on the web at www.standexelectronics.com

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