

Application Alley

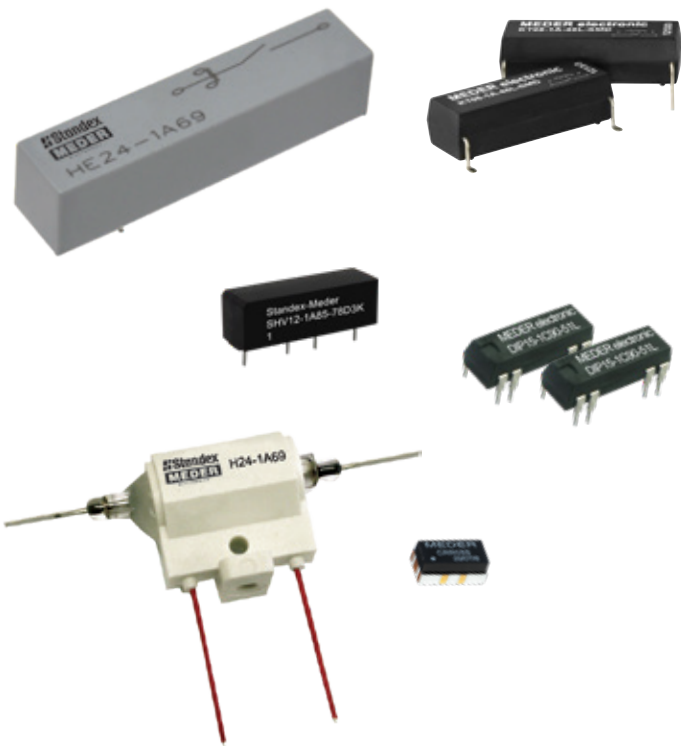
Reed Relays



Reed Relays are characterised by reliable switching operations and a long life-time. Due to its hermetically sealed switch contacts and an extremely carefully applied contact layer Reed Relays are particularly suitable for switching small signals as low as femto-Amps and nanoVolts as well as at high voltages and for applications required a long lifetime. Electromechanical Relays are less suitable for some of these applications as they have a tendency to polymeric contact deposits, which must be cleaned by forming small arcs during switching. This requires the application of moderate voltages and currents. Semiconductor solutions are less suitable for small signal applications due to their relatively high capacitance and significant leakage current.

Reed Relays can be used in numerous applications, involving media such as water, air, vacuum, oil, petrol and dust, due to their hermetically sealed contacts and robust construction.

Standex Electronics Relays have always stood for ambitious, high-quality and innovative solutions in the field of Reed Relays. With our wide product range and the possibility to develop customized relays according to your requirements we round off our extensive portfolio.



Advantages of a Reed Relay

- Hermetically sealed, no influence of dust or corrosion
- Reliability in a heavy duty or explosive environment
- Long life (billions of operations)
- Multi-pole configurations up to 8 Switches
- Low Contact Resistance (less than 50 mOhms)
- High Insulation Resistance (greater than 10^{15} Ohms)
- Ability to switch up to 10,000 Volts
- High carry current ability up to 5 Amps
- Capability of switching very low signals (nanoVolts)
- Capability of switching High Frequency signals up to 7 GHz

Advantages of Standex Electronics

- World's largest Reed Switch manufacturer and global leader in Reed Relay manufacturing
- Internal testing options such as life test, climate chamber and X-ray analysis
- Wide product range of Reed Technology
- Everything from one source
- Years of experience
- Variety of standard Relays, but also customized solutions possible
- Highest industry quality and manufacturing volume
- Adjustable loads, from 1 milliwatts up to 100 watts
- Breakdown voltages and dielectric strength up to 15kVDC
- UL, CSA, VDE, AEC-Q200, ATEX, IECEx and RoHS
- Certifications are available for many of our series

Markets and Applications

Reed Relays are used in markets such as telecommunications, test and measurement, medical equipment, industry, household, security and safety, alternative energy, photovoltaic or automotive.

They are also suitable for applications requiring low contact resistance, low capacitance, high isolation, high voltage, very low height, long life, very good HF-characteristics, extremely low voltages and currents.



Our products are recognized*

Tested in accordance with AEC-Q200, UL, CSA, IEC 60255-27, ATEX & IECEx, RoHS, REACH (*not applicable to all products)

Find out more about our ability to propel your business with our products by visiting standexelectronics.com or by writing us at salesemea@standexelectronics.com One of our brilliant engineers or sales leaders will listen to you intently.



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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 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. Our magnetic offerings include planar, Rogowski, current, and low- and high-frequency transformers and inductors.

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 Fairfield, 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 standexelectronics.com

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