

Standex

KOFU

High Quality Reed Switches

Reed Switch Product Line

Miniature Reed
Switches

ORD213

ORD211

ORD219

Standard Reed
Switches

ORD221

ORD324

ORD324H

ORD624

ORD9215

High Power
Reed Switches

ORD229

ORD2210

ORD2210V

Lamp Load

Reed Switches

ORD2211

ORD2211H

Long Life Reed
Switches

ORD228VL

ORD311

ORD312

SPDT Transfer
Reed Switches

ORT551

ORT551-1

Surface Mount
MK24

 UL File No. E70063

ISO9001 & ISO14001 Certified

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REED REX

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ORT551

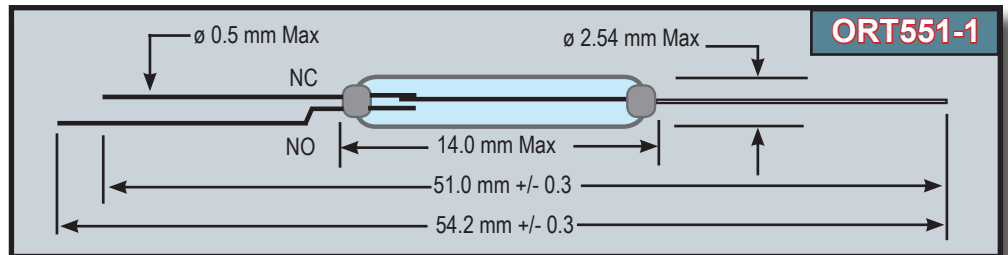


Product Data Sheet SPDT Transfer Reed Switch

ORT551-1 is an ultra miniature two contact Single Pole-Double Throw (SPDT) reed switch designed for changeover operations. This hermetically sealed reed switch with a “dog leg” terminal configuration is for loads less than 200Volts. Contact rated for 3 Watts with Rhodium (Rh) contacts engineered for long life.

Can switch or carry as low as 10 nanoVolts (10^{-9} Volts) without signal loss. Can switch or carry as low as 1 Femt-Amp (10^{-15} Amps) without signal loss. Electrostatic Capacitance is less than .3 pF. Consumes no power in open position. Insulation Resistance above 1 gigaohm ($10^9 \Omega$).

Operation temperatures: -40°C (-40°F) to $+120^{\circ}\text{C}$ (248°F) Tolerant of harsh environments including salt spray, water, humidity, gaseous & chemical fumes, oil, fuel, and dust-laden atmospheres. Shock resistant above 20Gs.



Parameter	Specification	Unit of Measure
Pull In Value (PI)	10 to 30	Ampere Turns (AT)
Drop Out Value (DO)	4 minimum	Ampere Turns (AT)
Contact Resistance	100 maximum	Milliohms (m Ω)
Breakdown Voltage	150 minimum	Volts DC (VDC)
Insulation Resistance	10^9 minimum	Ohms (Ω)
Electrostatic Capacitance	1.5 maximum	Picofarads (pF)
Contact Rating	3	Volt-ampere (VA)
Max Switching Voltage	30 DC / 30 AC	Volts (V)
Max Switching Current	0.2	Amps (A)
Max Carry Current	0.5	Amps (A)
Response Time	1.0 maximum	Milliseconds (ms)
Bounce Time	NO 1.0 / NC 1.5	Milliseconds (ms)
Release Time	0.5 maximum	Milliseconds (ms)
Resonant Frequency	6,000 +/-4000	Hertz (Hz)
Max Operating Frequency	200	Hertz (Hz)
Minimum Expected Switch Life	7 million switches	5 VDC @ 10mA

For Additional Specifications, www.reed-rex.com/okireedswitchdatabook