

# 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

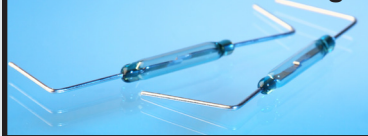
ORT551

ORT551-1

#### Surface Mount

MK24

#### Custom Lead Forming



**UL File No. E70063**

ISO9001 & ISO14001 Certified

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# REED REX

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## REED SWITCH DATA SHEET

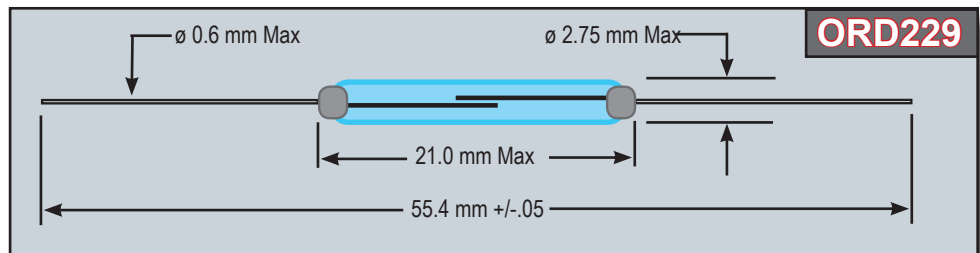
### ORD229



### High Power OKI Reed Switch

ORD229 is a 21mm general purpose high power single contact hermetically sealed reed switch for loads less than 600Volts. Pull-in 20-60 AT, Drop-out minimum 6 AT. Contact rated for 50 WDC and AC70 Volt Amps with Rhodium (Rh) contacts engineered for long life. Very low contact resistance (CR) less than 100mΩ. Can switch or carry as low as 10 nano-Volts (10<sup>-9</sup> Volts) without signal loss. Can switch or carry as low as 1 femt-Amp (10<sup>-15</sup> Amps) without signal loss. Electrostatic Capacitance is less than 0.5 pF. Consumes no power in open position. Insulation Resistance is above 1 giga-ohm (10<sup>9</sup> Ω).

Operation Temperatures: -55°C (-67°F) to +100°C (212°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)	20-60	Ampere Turns (AT)
Drop Out Value (DO)	6 minimum	Ampere Turns (AT)
Contact Resistance	100 maximum	Milliohms (mΩ)
Breakdown Voltage	600 minimum	Volts DC (VDC)
Insulation Resistance	10 <sup>10</sup> minimum	Ohms (Ω)
Electrostatic Capacitance	0.5 maximum	Picofarads (pF)
Contact Rating	50DC / 70AC	Watts / Volt Amps
Max Switching Voltage	350 DC / 300 AC	Volts (V)
Max Switching Current	.07 DC / 0.5 AC	Amps (A)
Max Carry Current	2.5	Amps (A)
Response Time	0.6 maximum	Milliseconds (ms)
Bounce Time	0.5 maximum	Milliseconds (ms)
Release Time	0.05 maximum	Milliseconds (ms)
Resonant Frequency	2,500 +/-250	Hertz (Hz)
Max Operating Frequency	500	Hertz (Hz)
Minimum Expected Switch Life	10 million switches	100 VDC @ .5mA

For Additional Specifications, [www.reed-rex.com/okireedswitchdatabook](http://www.reed-rex.com/okireedswitchdatabook)