Life Requirements

Life Test Data

The life of a Reed Switch can vary widely depending on the exact switching circumstances . Over the years, many improvements have been made to the Reed Switch, which have played a major role in improving its reliability.

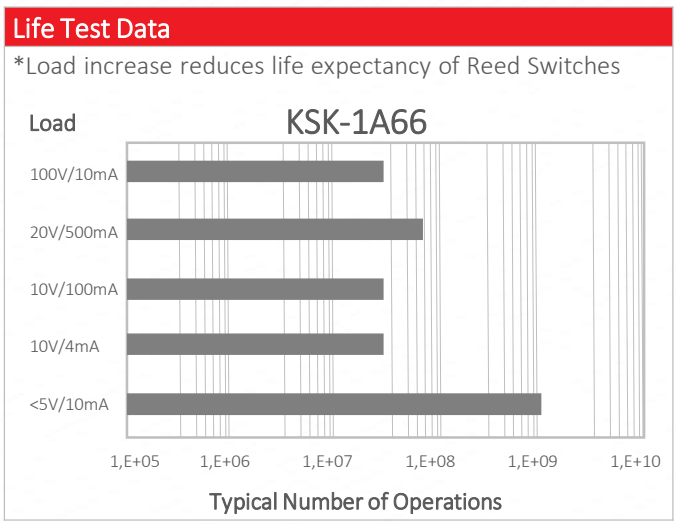
Reed Switches, because of their hermetically sealed properties and no wearing parts, will switch no load or signal loads into the billions of operations, in most cases with minimal contact resistance changes . In fact, over long life at no load, the contact resistance will often drop approximately 5 mOhms to 10 milliohm.

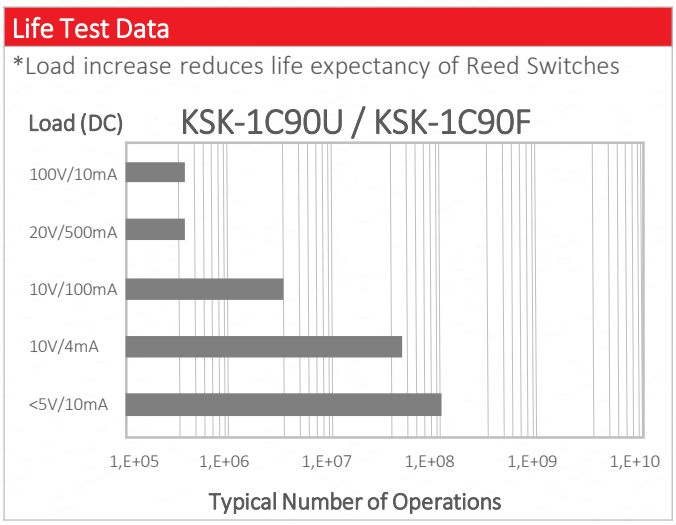
Standex Electronics offer several different types of switches ranging from 4 mm long to 50 mm long, capable of switching nanoVolts up to 10,000 Volts; capable of switching femtoAmps up to 5 Amps, and capable of switching DC on up to 6 GigaHz . Generally speaking, we offer Reed Switches in Sensor or Relay applications having tungsten, rhodium, ruthenium, palladium or iridium contacts .

When trying to optimize your life requirement be sure to consult our precautions selection . Several areas of concern are discussed both mechanically and electronically.

The load section in particular will give you important insight when switching any loads with inductance, capacitive, or inrush current loads.

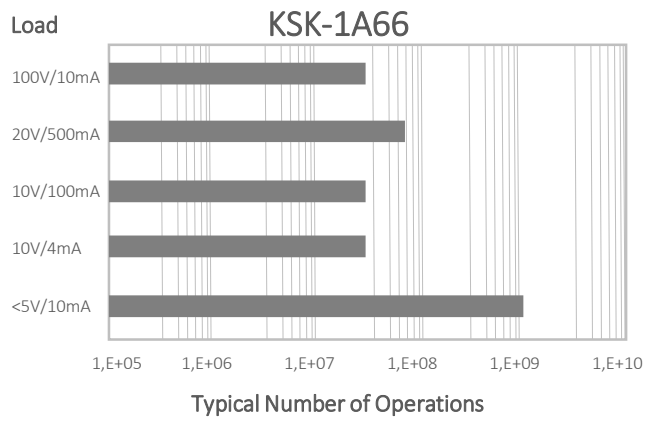
It is always best to test the particular switch under actual switching loads for the life you require . A life test offers a high level of safety.





Life Test Data

*Load increase reduces life expectancy of Reed Switches



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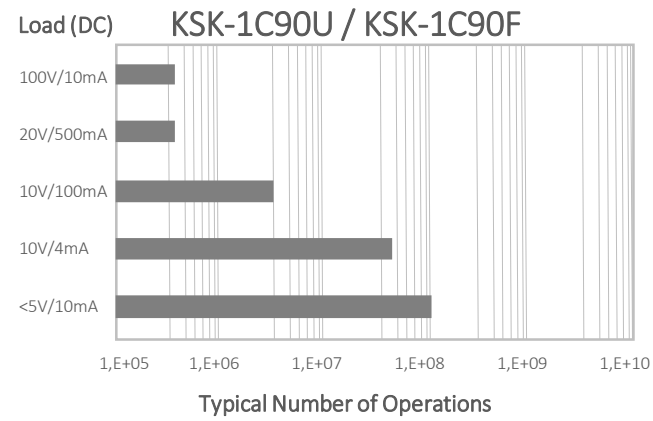

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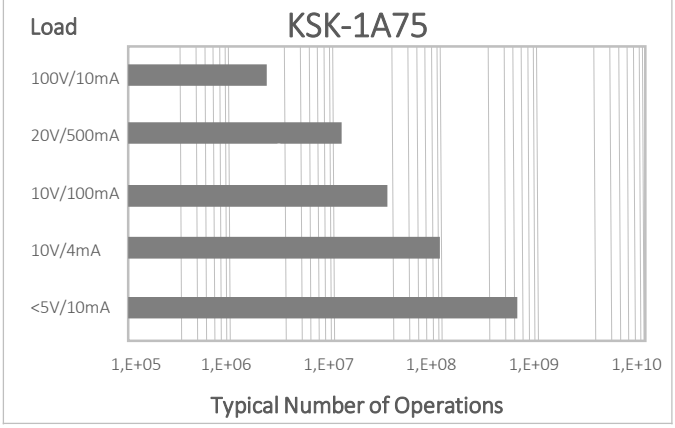

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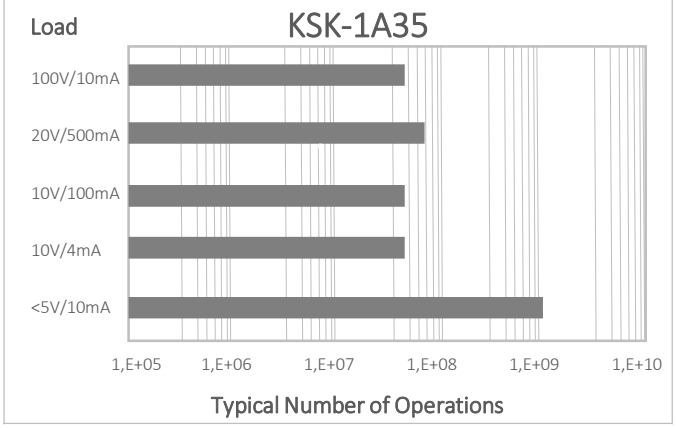

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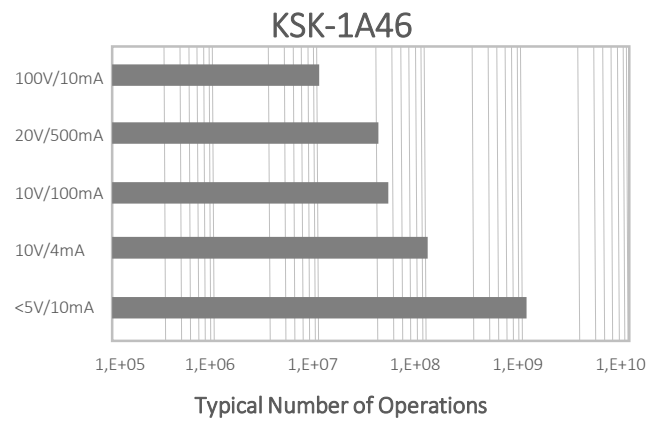

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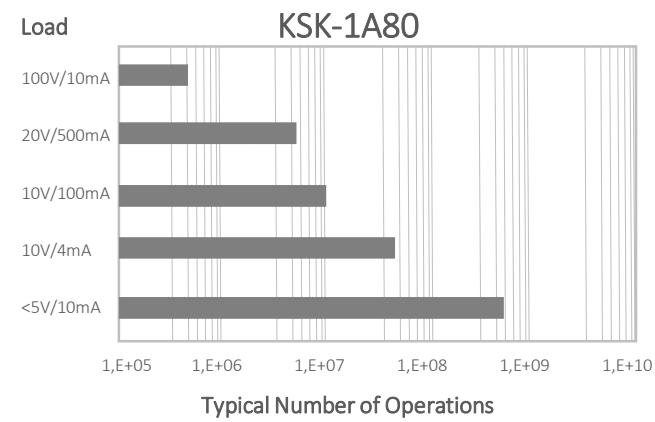

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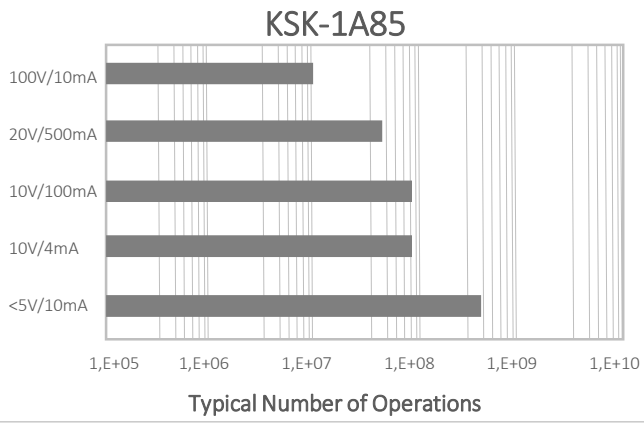

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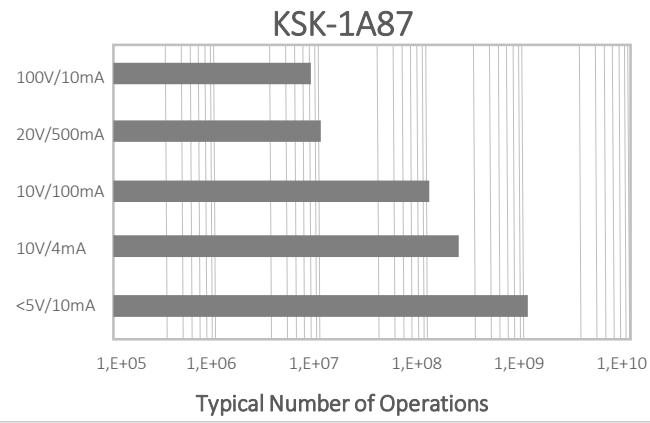

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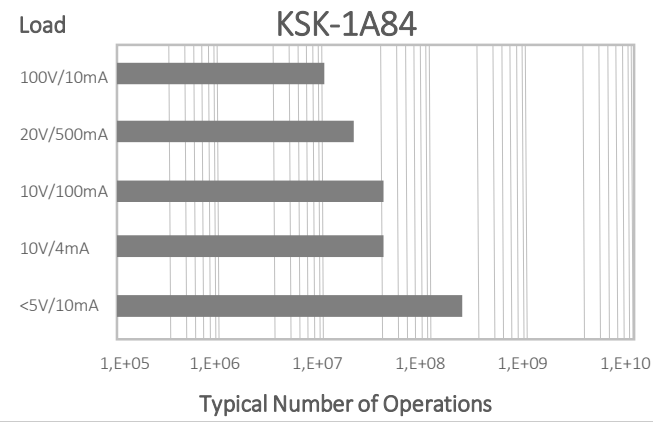

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