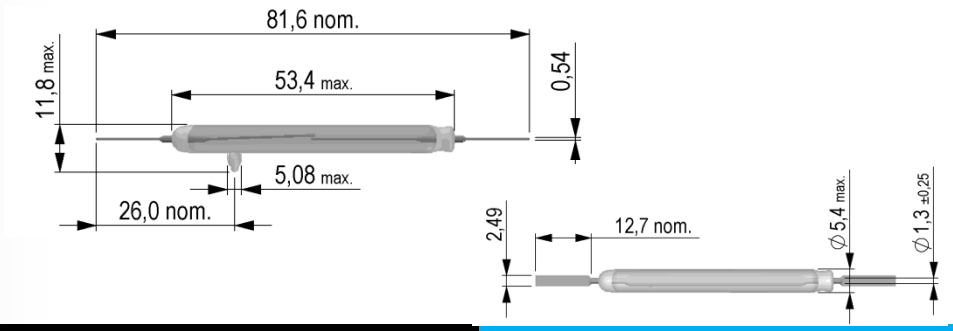
KSK-1A69
Reed Switches



- Features: High Power, High Voltage, High Current, Flat Lead Design
- Applications: Relay, Pump Switch, Generator & Others
- Markets: Test & Measurement, Safety, Food Service & Others

Part Description: K S K - 1 A 6 9 X X X X

Contact QTY	Contact Form	Switch Model	Pull-In Excitation (AT-Range)
1	A (SPST-NO)	69	95 - 170

Contact Data		Unit
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	50	W
Switching Voltage (max.) DC or peak AC	10,000	V
Switching Current (max.) DC or peak AC	3.0	A
Carry Current (max.) DC or peak AC	5.0	A
Contact Resistance (max.) @ 0.5V & 10mA	150	mOhm
Breakdown Voltage (min.) DC or peak AC	15,000	V
Operating Time (max.) Incl. Bounce; Measured with 40% Overdrive	3.0	ms
Release Time (max.) Measured with no Coil Excitation	1.5	ms
Test Coil	KMS-04	
Insulation Resistance (min.) RH < 45%, 100 V Test Voltage	10^{10}	Ohm
Capacitance (typ.) @ 10kHz across open Switch	0.8	pF

Modifications in the sense of technical progress are reserved.

Dimensions (mm)	
Overall Length (max.)	81.6
Glass Length (max.)	53.4
Glass Dia (max.)	5.4
Lead Dia. (max.)	2.49 x 0.54

Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g
Vibration Resistance (max.)	20	g
Operating Temperature	-40 to 130	°C
Storage Temperature	-55 to 130	°C
Soldering Temperature (max.) 5 sec. max.	260	°C

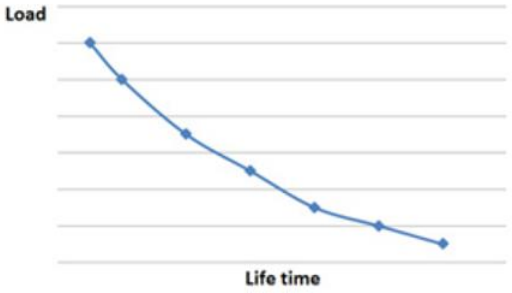
KSK-1A69 Reed Switch

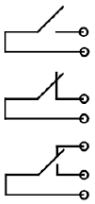
Handling & Assembly Instructions

- Use proper lead clamping or heat sinking techniques to prevent mechanical and/or heat stress to the glass seal during bending, cutting, soldering, and welding
- Mechanical shock as the result of dropping the reed switch typically from a distance of greater than 12” may change it’s magnetic sensitivity and/or destroy the switch
- Any form of modification to the switch leads will alter it’s magnetic sensitivity
- Series resistor recommended for >5m cable length

Life Test Data

*Load increase reduces life expectancy of Reed Switches



Glossary Contact Form		
Form A	NO = Normally Open Contacts SPST = Single Pole Single Throw	
Form B	NC = Normally Closed Contacts SPST = Single Pole Single Throw	
Form C	Changeover SPDT = Single Pole Double Throw	

REACH COMPLIANT

RoHS COMPLIANT

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