KSK-1A52 Series Reed Switches

- **Features: High Power, Line Voltage**
- **Applications: Position Sensor, Valve Detection, Level Sensor & Others**
- **Markets: Automotive, White Goods, HVAC & Others**

Part Description: KSK-1A52-XXXX

Contact Qty	Contact Form	Switch Model	Pull-In Excitation (AT Range)
1	A	52	15 - 70

Customer Options	Switch Model	Unit
Contact Data	52	
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	350	V
Switching Current (max.) DC or peak AC	0.5	A
Carry Current (max.) DC or peak AC	2.5	A
Contact Resistance (max.) @ 0.5V & 50mA	150	mOhm
Breakdown Voltage (min.) According to EN60255-5	0.5	kVDC
Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage	1.1	ms
Release Time (max.) Measured with no Coil Excitation	0.1	ms
Test Coil	KMS01	
Insulation Resistance (typ.) Rh<45%, 100V Test Voltage	10^{10}	Ohm
Capacitance (typ.) @ 10kHz across open Switch	0.5	pF

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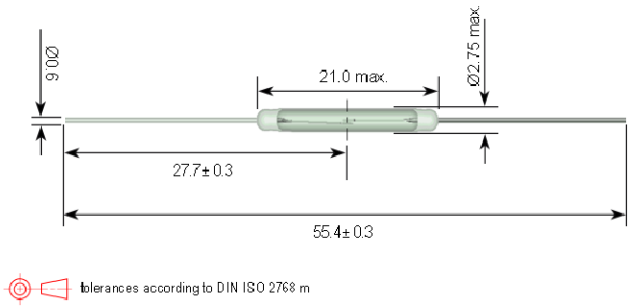
KSK-1A52 Series Reed Switches

KSK-1A52 Reed Switch

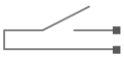


Dimensions (mm)

Overall Length Max.	55.4
Glass Length Max.	21.0
Glass Dia. Max.	2.75
Lead Dia. Max.	0.6

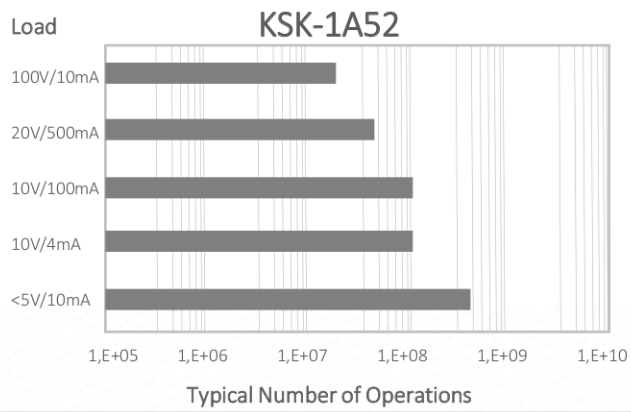
Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g
Vibration Resistance (max.)	20	g
Operating Temperature	-40 to 130	°C
Storage Temperature	-55 to 130	°C
Soldering Temperature (max.) 5 sec. max.	260	°C

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	
Form E	Bistable Contact Latching Type remains unchanged until a magnetic field of opposite polarity is present	

Life Test Data

*Load increase reduces life expectancy of Reed Switches



Handling & Assembly Instructions

- Use proper lead clamping or heat sinking techniques to prevent mechanical and/or heat stress during, soldering, and welding
- Mechanical shock as the result of dropping the reed sensor typically from a distance of greater than 12" may change it's magnetic sensitivity and/or destroy the sensor
- Any form of modification to the switch leads will alter it's magnetic sensitivity

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