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

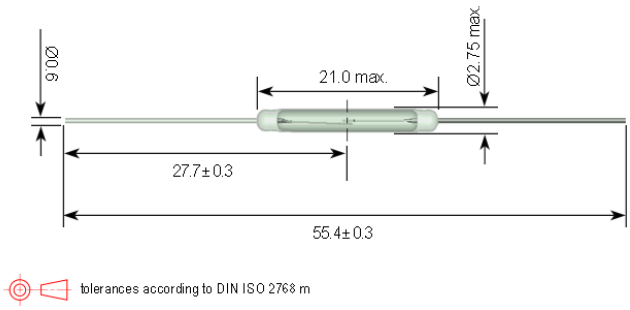
Contact Qty	Contact Form	Switch Model	Pull-In Excitation (AT Range)
1	A	52	15 - 70

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 Reed Switch



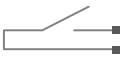
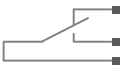
Dimensions (mm)

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

Environmental Data

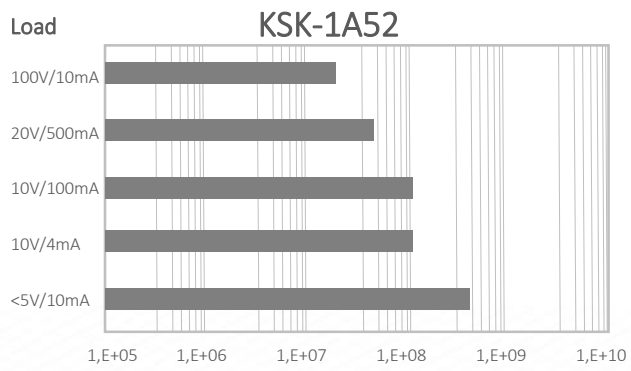
Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g
Vibration Resistance (max.)	20	g
Operating Temperature	-40 to 130	°C
Storage Temperature	-55 to 130	°C
Soldering Temperature (max.) 5 sec. max.	260	°C

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

Please note: All technical specifications on this series datasheet refer to the standard product range. Modifications in the sense of technical progress are reserved. For general information only. For more specific information, please consult the product datasheet, available upon request.

This series datasheet could contain technical inaccuracies or typographical errors. Changes are periodically made to the information herein. These change will be incorporated in future revisions.

For deviating values, most current specifications and products please contact your nearest sales office.

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