

# GR 501 Reed Switches



- Features: Miniature, High Stability (GP)
- Applications: Position Detector, Level Sensor, Tampering Switch & Others
- Markets: Industrial, White Goods, Security & Others

Part Description: **K S K - G R 5 0 1 - X X X X**

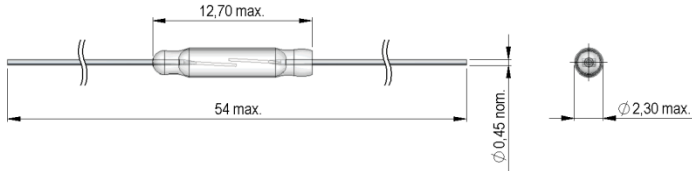
Contact QTY	Contact Form	Switch Model	Pull-In Excitation (AT-Range)
1	A (SPST-NO)	GR 501	7 - 30

Contact Data		Unit
<b>Rated Power (max.)</b> Any DC combination of V&A not to exceed their individual max.'s	10	W
<b>Switching Voltage (max.)</b> DC or peak AC	200	V
<b>Switching Current (max.)</b> DC or peak AC	0.5	A
<b>Carry Current (max.)</b> DC or peak AC	1.0	A
<b>Contact Resistance (max.)</b> @ 0.5V & 10mA	150	mOhm
<b>Breakdown Voltage (min.)</b> DC or peak AC	250	V
<b>Operating Time (max.)</b> Incl. Bounce; Measured with 40% Overdrive	0.5	ms
<b>Release Time (max.)</b> Measured with no Coil Excitation	0.1	ms
<b>Test Coil</b>	KMS-01	
<b>Insulation Resistance (min.)</b> RH < 45%, 100 V Test Voltage	10 <sup>10</sup>	Ohm
<b>Capacitance (typ.)</b> @ 10kHz across open Switch	0.3	pF

Series Datasheet – KSK-GR 501 Reed Switches

www.andiantech.com

KSK-GR 501



Dimensions (mm)

Overall Length (max.)	54.0
Glass Length (max.)	12.7
Glass Dia (max.)	2.3
Lead Dia. (max.)	0.45

Environmental Data

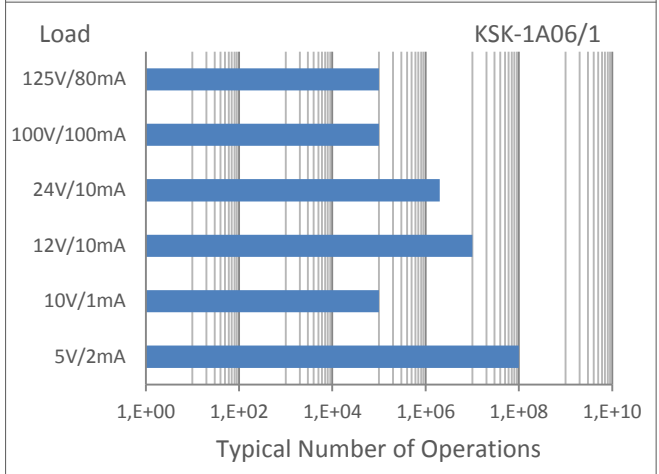
		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	100	g
Vibration Resistance (max.)	50	g
Operating Temperature	-40 to 125	°C
Storage Temperature	-50 to 155	°C
Soldering Temperature (max.) 5 sec. max.	260	°C

Glossary Contact Form

<b>Form A</b>	NO = Normally Open Contacts SPST = Single Pole Single Throw
<b>Form B</b>	NC = Normally Closed Contacts SPST = Single Pole Single Throw
<b>Form C</b>	Changeover SPDT = Single Pole Double Throw
<b>Form E</b>	Bistable Contact Latching Type remains unchanged until a magnetic field of opposite polarity is present

For KSK-1A04 Switches only "Form A" available

Life Test Data



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 its magnetic sensitivity and/or destroy the switch
- Any form of modification to the switch leads will alter its 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.