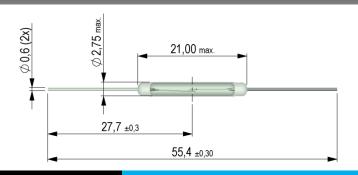


### Series Datasheet - KSK-1A85 Reed Switches

# www.standexmeder.com

# KSK-1A85 Reed Switches



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



Contact QTY	Contact Form	Switch Model	Pull-In Excitation (AT-Range)
1	A (SPST-NO)	85	15 - 55

Contact Data		Unit
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	100	W
Switching Voltage (max.) DC or peak AC	1,000	V
Switching Current (max.) DC or peak AC	1.0	А
Carry Current (max.) DC or peak AC	2.5	А
Contact Resistance (max.) @ 0.5V & 10mA	150	mOhm
Breakdown Voltage (min.) DC or peak AC	1,500	V
Operating Time (max.) Incl. Bounce; Measured with 40% Overdrive	1.1	ms
Release Time (max.) Measured with no Coil Excitation	0.1	ms
Test Coil	KMS-01	
Insulation Resistance (min.) RH < 45%, 100 V Test Voltage	1010	Ohm
Capacitance (typ.) @ 10kHz across open Switch	0.5	рF



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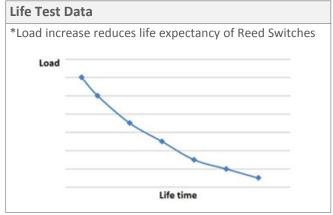
Dimensions (mm)		
Overall Length (max.)	55.4	
Glass Length (max.)	21.0	
Glass Dia (max.)	2.75	
Lead Dia. (max.)	0.6	

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



# **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



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	







