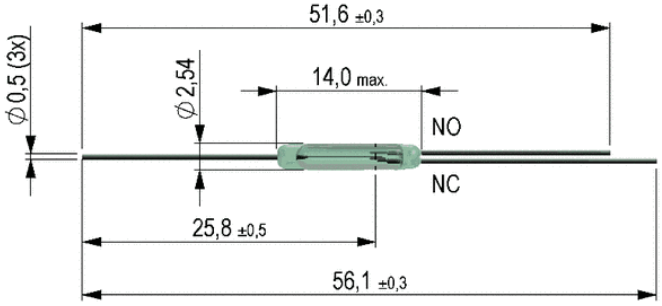
KSK-1C90U
Reed Switches



- Features: SPDT Changeover, Miniature
- Applications: Door Detector, Tampering Switch, Counter & Others
- Markets: Automotive, Test & Measurement, Safety & Others

Part Description: K S K - 1 C 9 0 U X X X X

Contact QTY	Contact Form	Switch Model	Pull-In Excitation (AT-Range)
1	C (SPDT-Changeover)	90F	15 - 45

Contact Data		Unit
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	10	W
Switching Voltage (max.) DC or peak AC	175	V
Switching Current (max.) DC or peak AC	0.5	A
Carry Current (max.) DC or peak AC	1.0	A
Contact Resistance (max.) @ 0.5V & 10mA	150	mOhm
Breakdown Voltage (min.) DC or peak AC	200	V
Operating Time (max.) Incl. Bounce; Measured with 40% Overdrive	0.7	ms
Release Time (max.) Measured with no Coil Excitation	1.5	ms
Test Coil	KMS-01	
Insulation Resistance (min.) RH < 45%, 100 V Test Voltage	10^9	Ohm
Capacitance (typ.) @ 10kHz across open Switch	1.0	pF

USA: +1.866.782.6339 | salesusa@standexmeder.com
Europe: +49.7731.8399.0 | info@standexmeder.com
Asia: +86.21.37820625 | salesasia@standexmeder.com

Version 01
27.01.2015

Modifications in the sense of technical progress are reserved.

Series Datasheet – KSK-1C90U Reed Switches

Dimensions (mm)	
Overall Length (max.)	56.1
Glass Length (max.)	14.0
Glass Dia (max.)	2.54
Lead Dia. (max.)	0.5

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-1C90U Reed Switch

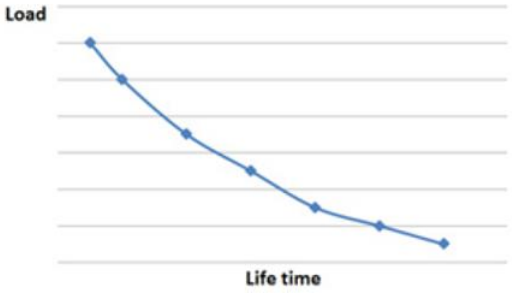


Handling & Assembly Instructions

- 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 Material		
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	

USA: +1.866.782.6339 | salesusa@standexmeder.com
Europe: +49.7731.8399.0 | info@standexmeder.com
Asia: +86.21.37820625 | salesasia@standexmeder.com

Version 01
27.01.2015

Modifications in the sense of technical progress are reserved.