KSK-1C10 Series Reed Switches

- **Features: SPDT Changeover, High Power, High Current**
- **Applications: Position Detector, Counter, Valve Detector**
- **Markets: Industrial, Security, Test & Measurement & Others**

Part Description: KSK-1C10-XXXX

Contact Qty	Contact Form	Switch Model	Pull-In Excitation (AT Range)
1	C	10	60 - 80

Customer Options	Switch Model	Unit
Contact Data	10	
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	500	V
Switching Current (max.) DC or peak AC	3.0	A
Carry Current (max.) DC or peak AC	5.0	A
Contact Resistance (max.) @ 0.5V & 50mA	500	mOhm
Breakdown Voltage (min.) According to EN60255-5	1000	VDC
Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage	3.5	ms
Release Time (max.) Measured with no Coil Excitation	3.0	ms
Test Coil	KMS04	
Insulation Resistance (typ.) Rh<45%, 100V Test Voltage	10^8	Ohm
Capacitance (typ.) @ 10kHz across open Switch	2.0	pF

USA: +1 866.782.6339 | salesusa@standexmeder.com EMEA: +49 7731/8399-0 | info@standexmeder.com APAC: +86 21/37606000 | salesasia@standexmeder.com

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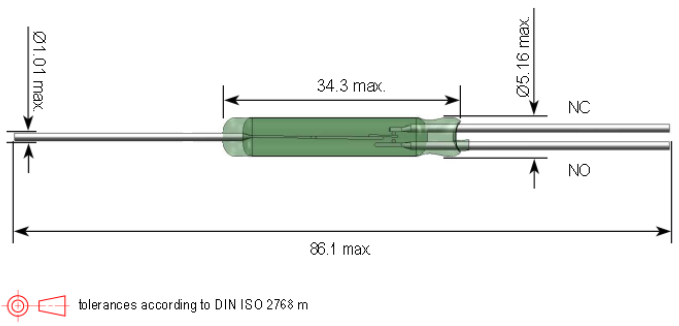
KSK-1C10 Reed Switch



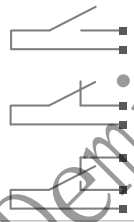
Dimensions (mm)

Overall Length Max.	86.1
Glass Length Max.	34.3
Glass Dia. Max.	5.16
Lead Dia. Max.	1.01

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



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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