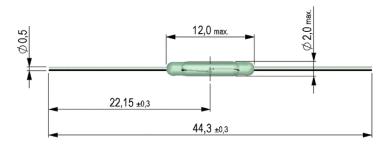


Series Datasheet - KSK-1A46 Reed Switches

www.standexmeder.com

KSK-1A46 Reed Switches



- Features: Miniature, Close Differential, Long Life Expectancy
- > Applications: Relay, Valve-Detection, Rotary Detector & Others
- Markets: Test & Measurement, Military, Safety & Others



| Contact QTY | Contact Form | Switch Model | Pull-In Excitation (AT-Range) |
|-------------|--------------|--------------|----------------------------------|
| 1 | A (SPST-NO) | 46 | 10 – 40 |

| 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 | 200 | V |
| Switching Current (max.) DC or peak AC | 0.5 | А |
| Carry Current (max.) DC or peak AC | 1.0 | А |
| Contact Resistance (max.) @ 0.5V & 10mA | 150 | mOhm |
| Breakdown Voltage (min.) DC or peak AC | 225 | V |
| Operating Time (max.) Incl. Bounce; Measured with 40% Overdrive | 0.7 | 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 | 1,000 | GOhm |
| Capacitance (typ.) @ 10kHz across open Switch | 0.2 | pF |



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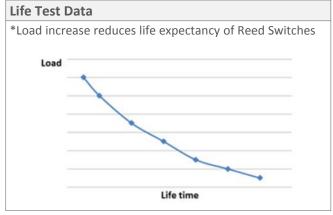
| Dimensions (mm) | | |
|-----------------------|------|--|
| Overall Length (max.) | 44.3 | |
| Glass Length (max.) | 12 | |
| Glass Dia (max.) | 2.0 | |
| Lead Dia. (max.) | 0.5 | |

| 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 |



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 | Glossary | | | |
|----------|--|--|--|--|
| 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 | | | |







