

KSK-1C90F Series Reed Switches

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



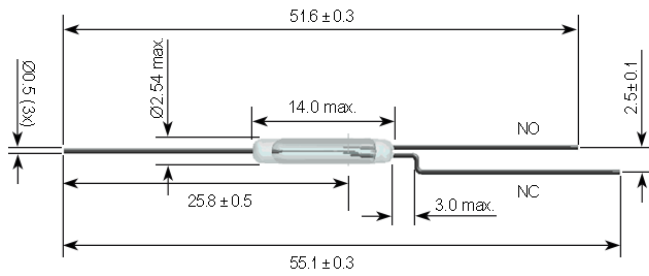
Part Description: **KSK-1C90F-XXXX**

| Contact Qty | Contact Form | Switch Model | Pull-In Excitation (AT Range) |
|-------------|--------------|--------------|-------------------------------|
| 1 | C | 90F | 15 - 45 |

| Customer Options | Switch Model | Unit |
|--|-----------------|------|
| Contact Data | 90F | |
| 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 & 50mA | 150 | mOhm |
| Breakdown Voltage (min.) According to EN60255-5 | 0.2 | kVDC |
| Operating Time (max.) Incl. Bounce; Measured with w/ Nominal Voltage | 0.7 | ms |
| Release Time (max.) Measured with no Coil Excitation | 1.5 | ms |
| Test Coil | KMS01 | |
| Insulation Resistance (typ.) Rh<45%, 100V Test Voltage | 10 ⁹ | Ohm |
| Capacitance (typ.) @ 10kHz across open Switch | 1.0 | pF |

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tolerances according to DIN ISO 2768 m

| Dimensions (mm) | |
|---------------------|------|
| Overall Length Max. | 55.1 |
| Glass Length Max. | 14.0 |
| Glass Dia. Max. | 2.54 |
| Lead Dia. Max. | 0.5 |

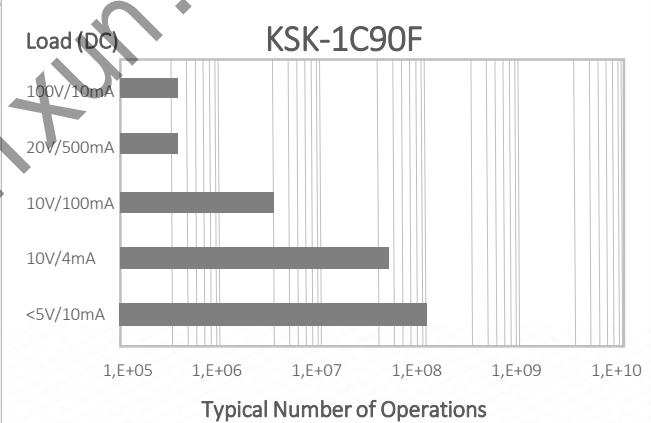
| Environmental Data | Unit |
|--|---------------|
| Shock Resistance (max.) 1/2 sine wave duration 11ms | 50 g |
| Vibration Resistance (max.) | 20 g |
| Operating Temperature | -40 to 130 °C |
| Storage Temperature | -55 to 130 °C |
| Soldering Temperature (max.) 5 sec. max. | 260 °C |

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 | |

Life Test Data

*Load increase reduces life expectancy of Reed Switches



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

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.

