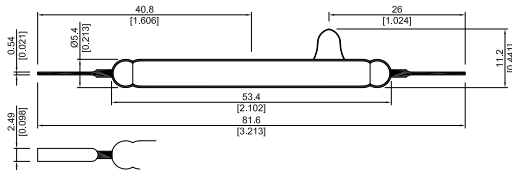


DIMENSIONS

All dimensions in mm [inches]



CHARACTERISTICS

- Glass length of 53.4 mm and diameter of 5.4 mm
- Normally open 1 Form A contact
- 7.5 kVDC switching voltage
- 3.0 Amp switching current

CONTACT DATA

| All Data at 20 °C | Switch Model → Contact Form → | KSK-1A83... Form A | | | |
|---|---|-----------------------|------|------|-------|
| Contact Ratings | Conditions | Min. | Typ. | Max. | Units |
| Switching Power* | Any DC combination of V and A not to exceed their individual max.'s | | | 50 | W |
| Switching Voltage | DC or peak AC | | | 7.5 | kV |
| Switching Current | DC or peak AC | | | 3.0 | A |
| Carry Current | DC or peak AC | | | 5.0 | A |
| Static Contact Resistance | at 0.5 V & 10 mA | | | 150 | mΩ |
| Dynamic Contact Resistance | measured w/ 0.5 V & 50 mA, 1.5 ms after closure | | | 250 | mΩ |
| Insulation Resistance cross Contacts | 100 Volts applied | 10 ⁹ | | | Ω |
| Breakdown Voltage | > 60 sec. | 10 | | | kVDC |
| Operate Time incl. Bounce | 100 % overdrive | | | 3.0 | ms |
| Release Time | measured with/ no coil suppression | | | 1.5 | ms |
| Capacitance | at 10 kHz across contact | | 0.8 | | pF |
| Test Coil | | KMS-04 | | | |
| Standard AT range | | 100 | | 150 | AT |
| Environmental Data | | | | | |
| Shock Resistance | 1/2 sine wave for 11 ms | | | 50 | g |
| Vibration Resistance | 10 - 2000 Hz | | | 20 | g |
| Ambient Temperature | max. 10 °C / minute allowance | -20 | | 130 | °C |
| Stock Temperature | max. 10 °C / minute allowance | -55 | | 130 | °C |
| Soldering Temperature | 5 sec. dwell | | | 260 | °C |
| Note: The indicated electric data are maximum values can vary downwards when using a more sensitive switch. * For life expectancy, please see the "Life Requirements" section. | | | | | |

ORDER INFORMATION

| Series | Contact Form | Switch Model | AT Range (between) |
|---------|--------------|--------------|--------------------|
| KSK - | 1A | 83 - | xxxx |
| Options | | | 100 - 150 |

Part Number Example - KSK - 1A83 - 100110

100110 is the AT range (Any AT can be ordered between 100 & 150 in a minimum range of 10 AT)