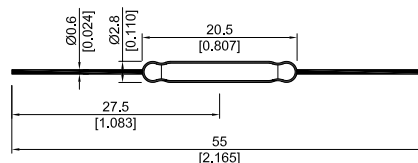


## CHARACTERISTICS

- Glass length of 20.5 mm and diameter of 2.8 mm
- Normally open 1 Form A contact
- Carry current up to 2.5 A
- High breakdown voltage up to 2 kVDC
- Good RF switch

## DIMENSIONS

All dimensions in mm [inches]



## CONTACT DATA

| All Data at 20 °C   | Switch Model →<br>Contact Form →                                    | KSK-1A53-...<br>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 |                        |      | 10   | W     |
| Switching Voltage   | DC or peak AC   |                        |      | 220  | V     |
| Switching Current   | DC or peak AC   |                        |      | 1.0  | A     |
| Carry Current   | DC or peak AC   |                        |      | 2.5  | 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                     |                        |      | 200  | mΩ    |
| Insulation Resistance cross Contacts  | 100 Volts applied   | 10 <sup>10</sup>       |      |      | Ω     |
| Breakdown Voltage   | > 60 sec.   | 2                      |      |      | kVDC  |
| Operate Time incl. Bounce   | 100 % overdrive   |                        |      | 0.75 | ms    |
| Release Time  | measured with/ no coil suppression                                  |                        |      | 0.1  | ms    |
| Capacitance   | at 10 kHz across contact  |                        | 0.2  |      | pF    |
| Test Coil   |   | KMS-01                 |      |      |       |
| Standard AT range   |   | 20                     |      | 50   | 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.<br>* For life expectancy, please see the "Life Requirements" section. |   |                        |      |      |       |

## ORDER INFORMATION

**Part Number Example** - KSK - 1A53 - 2025

**2025** is the AT range (Any AT can be ordered between 20 & 50 in a minimum range of 5 AT)

| Series  | Contact Form | Switch Model | AT Range (between) |
|---------|--------------|--------------|--------------------|
| KSK -   | 1A           | 53 -         | xxxx               |
| Options |              |              | 20 -50             |

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