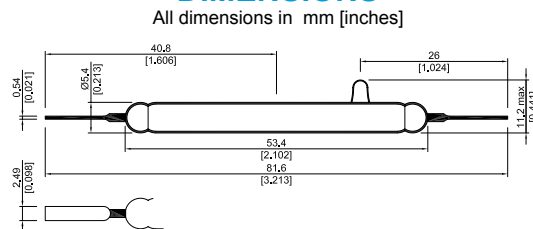


## DIMENSIONS



| All Data at 20 °C                                                                                                                                                                 | Switch Model →<br>Contact Form →                                    | KSK-1A69-...<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 |                        |      | 50   | W     |
| Switching Voltage                                                                                                                                                                 | DC or peak AC                                                       |                        |      | 10   | 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                     |                        |      | 200  | mΩ    |
| Insulation Resistance cross Contacts                                                                                                                                              | 100 Volts applied                                                   | 10 <sup>10</sup>       |      |      | Ω     |
| Breakdown Voltage                                                                                                                                                                 | > 60 sec.                                                           | 15                     |      |      | 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                                                                                                                                                                 |                                                                     | 120                    |      | 170  | AT    |
| Environmental Data                                                                                                                                                                |                                                                     |                        |      |      |       |
| Shock Resistance                                                                                                                                                                  | 1½ 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. |                                                                     |                        |      |      |       |

|                |                     |                     |                               |
|----------------|---------------------|---------------------|-------------------------------|
| <b>Series</b>  | <b>Contact Form</b> | <b>Switch Model</b> | <b>AT Range<br/>(between)</b> |
| <b>KSK -</b>   | <b>1A</b>           | <b>69 -</b>         | <b>xxxx</b>                   |
| <b>Options</b> |                     |                     | 120 -170                      |