## CHARACTERISTICS

- Glass length of 21.0 mm and diameter of 2.75 mm
- Normally open 1 Form A contact
- Switching voltage up to 1000 VDC
- Breakdown voltage up to 4.0 kVDC
- Switching current 1 A
- Carry current 2.5 A
- 100 W switching


## DIMENSIONS

All dimensions in mm [inches]


## CONTACT DATA

| All Data at $20{ }^{\circ} \mathrm{C}$ | Switch Model $\rightarrow$ Contact Form $\rightarrow$ | $\begin{gathered} \text { KSK-1A85... } \\ \text { Form A } \end{gathered}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Contact Ratings | Conditions | Min. | Typ. | Max. | Units |
| Switching Power* | Any DC combination of V and A not to exceed their individual max.'s |  |  | 100 | W |
| Switching Voltage | DC or peak AC |  |  | 1 | kV |
| Switching Current | DC or peak AC |  |  | 1.0 | A |
| Carry Current | DC or peak AC |  |  | 2.5 | A |
| Static Contact Resistance | at $0.5 \mathrm{~V} \& 10 \mathrm{~mA}$ |  |  | 150 | $\mathrm{m} \Omega$ |
| Dynamic Contact Resistance | measured $\mathrm{w} / 0.5 \mathrm{~V} \& 50 \mathrm{~mA}, 1.5 \mathrm{~ms}$ after closure |  |  | 200 | $\mathrm{m} \Omega$ |
| Insulation Resistance cross Contacts | 100 Volts applied | $10^{10}$ |  |  | $\Omega$ |
| Breakdown Voltage | $>60 \mathrm{sec}$. | 4 |  |  | kVDC |
| Operate Time incl. Bounce | 100 \% overdrive |  |  | 1.0 | ms |
| Release Time | measured with/ no coil suppression |  |  | 0.1 | ms |
| Capacitance | at 10 kHz across contact |  | 0.2 |  | pF |
| Test Coil |  |  |  | -01 |  |
| Standard AT range |  | 20 |  | 60 | AT |
| Environmental Data |  |  |  |  |  |
| Shock Resistance | $1 / 2$ sine wave for 11 ms |  |  | 50 | g |
| Vibration Resistance | $10-2000 \mathrm{~Hz}$ |  |  | 20 | g |
| Ambient Temperature | max. $10^{\circ} \mathrm{C} /$ minute allowance | -20 |  | 130 | ${ }^{\circ} \mathrm{C}$ |
| Stock Temperature | max. $10^{\circ} \mathrm{C} /$ minute allowance | -55 |  | 130 | ${ }^{\circ} \mathrm{C}$ |
| Soldering Temperature | 5 sec . dwell |  |  | 260 | ${ }^{\circ} \mathrm{C}$ |

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

Part Number Example - KSK - 1A85-2030
2030 is the AT range (Any AT can be ordered between $20 \& 60$ in a minimum range of 10 AT)

| Series | Contact Form | Switch Model | AT Range <br> (between) |
| :---: | :---: | :---: | :---: |
| KSK - | 1A | $\mathbf{8 5}-$ | $\mathbf{x x x x}$ |
| Options |  |  | $20-60$ |

