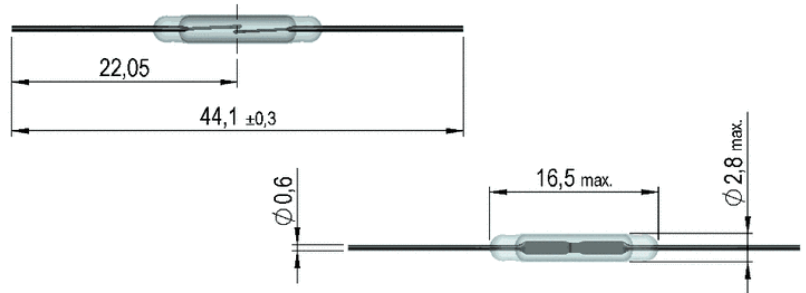


# KSK-1A55 Reed Switches



- Features: High Power
- Applications: Lamp Switch, Pump Switch
- Markets: Appliance, Medical, Fluid Flow & Others

Part Description: **K S K - 1 A 5 5 X X X X**

| Contact QTY | Contact Form | Switch Model | Pull-In Excitation<br>(AT-Range) |
|-------------|--------------|--------------|----------------------------------|
| 1           | A (SPST-NO)  | 55           | 20 - 60                          |

| Contact Data                                                                                 |        | Unit |
|----------------------------------------------------------------------------------------------|--------|------|
| <b>Rated Power (max.)</b><br>Any DC combination of V&A not to exceed their individual max.'s | 50     | W    |
| <b>Switching Voltage (max.)</b><br>DC or peak AC                                             | 100    | V    |
| <b>Switching Current (max.)</b><br>DC or peak AC                                             | 0.5    | A    |
| <b>Carry Current (max.)</b><br>DC or peak AC                                                 | 1.0    | A    |
| <b>Contact Resistance (max.)</b><br>@ 0.5V & 10mA                                            | 150    | mOhm |
| <b>Breakdown Voltage (min.)</b><br>DC or peak AC                                             | 200    | V    |
| <b>Operating Time (max.)</b><br>Incl. Bounce; Measured with 40% Overdrive                    | 1.0    | ms   |
| <b>Release Time (max.)</b><br>Measured with no Coil Excitation                               | 0.1    | ms   |
| <b>Test Coil</b>                                                                             | KMS-01 |      |
| <b>Insulation Resistance (min.)</b><br>RH < 45%, 100 V Test Voltage                          | 1      | GOhm |
| <b>Capacitance (typ.)</b><br>@ 10kHz across open Switch                                      | 0.3    | pF   |

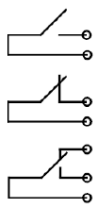
## Series Datasheet – KSK-1A55 Reed Switches

[www.standexmeder.com](http://www.standexmeder.com)

| Dimensions (mm)       |      |
|-----------------------|------|
| Overall Length (max.) | 44.1 |
| Glass Length (max.)   | 16.5 |
| Glass Dia (max.)      | 2.8  |
| Lead Dia. (max.)      | 0.6  |

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

| Handling & Assembly Instructions |                                                                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ➤                                | Use proper lead clamping or heat sinking techniques to prevent mechanical and/or heat stress to the glass seal during bending, cutting, soldering, and welding          |
| ➤                                | Mechanical shock as the result of dropping the reed switch typically from a distance of greater than 12" may change it's magnetic sensitivity and/or destroy the switch |
| ➤                                | Any form of modification to the switch leads will alter it's magnetic sensitivity                                                                                       |
| ➤                                | Series resistor recommended for >5m cable length                                                                                                                        |

| Glossary |                                                                  |                                                                                     |
|----------|------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Form A   | NO = Normally Open Contacts<br>SPST = Single Pole Single Throw   |  |
| Form B   | NC = Normally Closed Contacts<br>SPST = Single Pole Single Throw |                                                                                     |
| Form C   | Changeover<br>SPDT = Single Pole Double Throw                    |                                                                                     |

### KSK-1A55 Reed Switch



### Life Test Data

\*Load increase reduces life expectancy of Reed Switches

