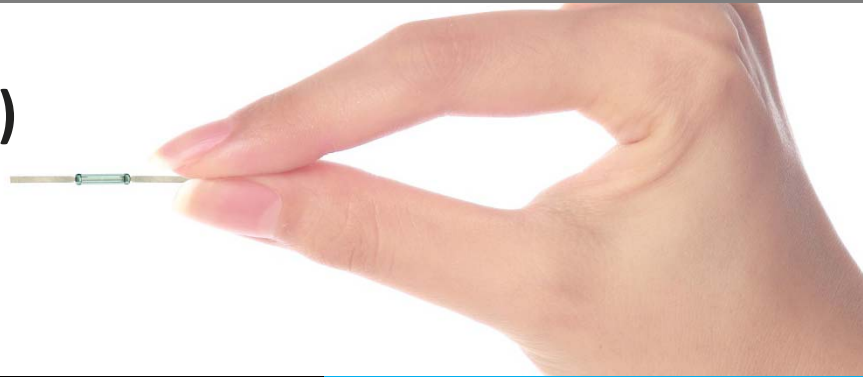


## Product Solutions

# KSK-1A35/1 Series (10.5mm) Miniature High Voltage Reed Switch



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### KSK-1A35/1 Reed Switch

The all new KSK-1A35/1 reed switch series is available in a contact form 1A (SPST) (normally open contact), center gap and comes in an operating sensitivity range of 20-35 Ampere-turns (AT). This miniature KSK-1A35/1 model has a maximum glass length of 10.5 mm, a maximum glass diameter of 2.2mm and an overall lead length of 34.5mm. The specific flat lead design allows for paddle-orientation and excellent surface mount behaviors.

This KSK-1A35/1 offers excellent electrical characteristics with zero to 10 VA of rated power, switching voltage of zero to 1000 volts of direct or alternating current (VDC/VAC) and switching current max of 0.7 amps (A) or carry current max of 1.25 amps (A). Furthermore, it has contact capacitance of less than 0.3pf, minimum insulation resistance of  $10^9$  ohms ( $\Omega$ ) and breakdown voltage of 1500 VDC (@20AT) across the contacts as well as a 150 milliohms ( $m\Omega$ ) contact resistance.

Typical operating and release times are 0.5 milliseconds and 0.2 milliseconds (ms) respectively. Its operating temperature ranges from  $-40^{\circ}\text{C}$  to  $125^{\circ}\text{C}$  and can be stored a temperature range of  $-50^{\circ}\text{C}$  to  $155^{\circ}\text{C}$ .

### Features

- World's smallest high voltage switch
- Hermetically sealed
- Flat lead design
- Long life
- Millions of reliable operations
- Miniature size
- No power consumption
- Zero emissions
- REACH, RoHS,

### Applications

- Line or high voltage
- High insulation
- Counting
- End limit detection
- Movement detection
- Position detection
- Presence sensing
- Proximity sensing
- Rotation sensing
- Speed sensing

### Markets

Including but not limited to: Aerospace, Automotive, HVAC&R, Industrial, Household, Medical, Telecommunications, Test & Measurement, Security