

Product Solutions

KSK-1A82 Series (16.5mm) Miniature High Current Reed Switch

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KSK-1A82 Reed Switch

The all new KSK-1A82 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-1A82 model has a maximum glass length of 16.5 mm, a maximum glass diameter of 2.8mm and an overall lead length of 44.1mm.

This KSK-1A82 offers excellent electrical characteristics with zero to 120 VA of rated power, switching voltage of zero to 150 volts of direct or alternating current (VDC/VAC) and switching current max of 2 amps (A) or carry current max of 5 amps (A). Furthermore, it has contact capacitance of less than 0.3pf, minimum insulation resistance of 10^9 ohms (Ω) and breakdown voltage of 200 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 0.05 milliseconds (ms) respectively. Its operating temperature ranges from -40°C to 130°C and can be stored a temperature range of -55°C to 130°C .

Features

- World's smallest high current switch
- Hermetically sealed
- Direct switching of load circuits
- Long life
- Millions of reliable operations
- Miniature size
- No power consumption
- Zero emissions
- REACH, RoHS,

Applications

- Power-switching in Relays
- Pump switching
- Lamp-activation
- 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