Standex MEDER ELECTRONICS

Custom Engineered Solutions for Tomorrow

A Global Leader in the Design, Development, and Manufacture of Sensor and Magnetic Components

GP [or] GR 560 Reed Switches

- 14,20 max.
- 54 max.
- ⌀ 0,60 nom.
- ⌀ 2,30 max.
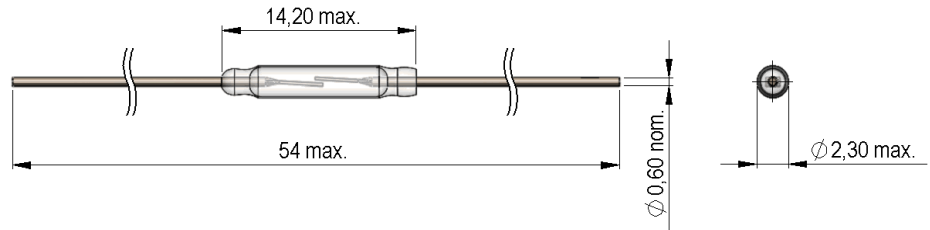
➢ Features: Miniature, General Purpose
➢ Applications: Position Detector, Level Sensor, Tampering Switch
➢ Markets: Industrial, HVAC, Security & Others

Part Description: K S K - G P [o r] G R   5 6 0 - X X   X X

Contact QTY	Contact Form	Switch Model	Pull-In Excitation (AT-Range)
1	A (SPST-NO)	GP/GR 560	10 - 50

Contact Data		Unit
Rated Power (max.) Any DC combination of V&A not to exceed their individual max.'s	10	W
Switching Voltage (max.) DC or peak AC	200	V
Switching Current (max.) DC or peak AC	1.0	A
Carry Current (max.) DC or peak AC	1.5	A
Contact Resistance (max.) @ 0.5V & 10mA	100	mOhm
Breakdown Voltage (min.) DC or peak AC	300	V
Operating Time (max.) Incl. Bounce; Measured with 40% Overdrive	0.5	ms
Release Time (max.) Measured with no Coil Excitation	0.1	ms
Test Coil	KMS-01	
Insulation Resistance (min.) RH < 45%, 100 V Test Voltage	10^{10}	Ohm
Capacitance (typ.) @ 10kHz across open Switch	0.2	pF

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Dimensions (mm)	
Overall Length (max.)	54.0
Glass Length (max.)	14.2
Glass Dia (max.)	2.3
Lead Dia. (max.)	0.6

Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	100	g
Vibration Resistance (max.)	50	g
Operating Temperature	-40 to 125	°C
Storage Temperature	-50 to 155	°C
Soldering Temperature (max.) 5 sec. max.	260	°C

KSK-GP/GR 560 Reed Switch

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

Life Test Data

*Load increase reduces life expectancy of Reed Switches
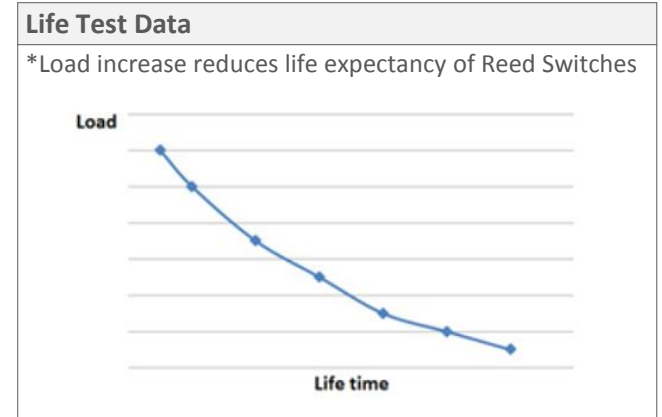
Glossary Contact Material		
Form A	NO = Normally Open Contacts SPST = Single Pole Single Throw	
Form B	NC = Normally Closed Contacts SPST = Single Pole Single Throw	
Form C	Changeover SPDT = Single Pole Double Throw	