Rotaries

Touch

Supplement | Accessories |

General Specifications

SK14DGMG01 Part Number:

Electrical Capacity (Resistive Load)

0.4VA maximum @ 28V AC/DC maximum Logic Level:

(Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)

Other Ratings

Contact Resistance: 100 milliohms maximum

Insulation Resistance: 100 megohms minimum @ 500V DC

Dielectric Strength: 500V AC minimum between contacts for 1 minute minimum

Mechanical Life: 30,000 operations minimum **Electrical Life:** 10,000 operations minimum Withstands 15 kilovolts ESD **Static Capability:** 0.02Nm (0.18 lb•in) **Nominal Operating Force:**

Contact Timing: Break-before-make

> Angle of Throw: 45°



Materials & Finishes

Brass alloy with bright nickel plating and ABS resin handle Key:

Housing: **Polyamide**

Glass fiber reinforced polyamide Base: Rotor: Glass fiber reinforced polyamide

Tumber Plate:

Movable Contacts: Beryllium copper with gold plating

Brass with gold plating **Stationary Contacts: Switch Terminals:** Brass with gold plating

Environmental Data

-40°C through +85°C (-40°F through +185°F) **Operating Temperature Range:**

Humidity: 90 ~ 95% humidity for 240 hours @ 60°C (140°F)

Vibration: 10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning

in 1 minute; 3 right angled directions for 2 hours

50G (490m/s²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction) Shock:

PCB Processing

Soldering: Manual Soldering: lead-free, see profile below. Do not exceed these specifications.

Cleaning: Hand clean locally using alcohol based solution.

Solder Iron Tip Temperature	370°C			
Time on Terminal	4 seconds			
Cycles	2			

Standards & Certifications

These devices have not been tested for UL recognition or CSA certification.

These devices are designed for use in a low-voltage, low-current, logic-level circuit.

When used as intended in a logic-level circuit, the results do not produce hazardous energy.

POLES. CIRCUITS & KEY-REMOVABLE POSITIONS

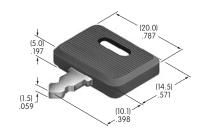
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Pole &	Key Positions			Connected Terminals (Terminal numbers are on switch)				= Kev Removable
Throw	Pos 1	Pos 2	Pos 3	Pos 1	Pos 2	Pos 3	Schematic	● = Key Removable✓ = Maximum Arc
SP3T	ON	ON	ON	C-1	C-2	C-3	C	POS 1 2 3

KEY

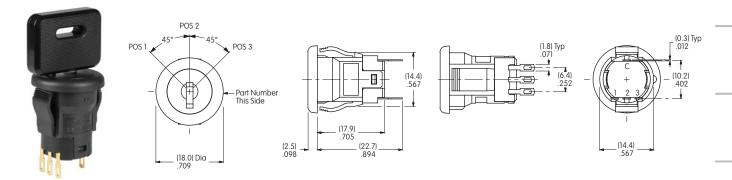
AT4080 Standard **Antistatic Plastic Handle**

Brass Alloy with Bright Nickel Plating & ABS Resin Handle

2 keys supplied with each switch



TYPICAL SWITCH DIMENSIONS



PANEL CUTOUT

Panel Thickness Range .039" ~ .079" $(1.0mm \sim 2.0mm)$

