

C&K GS Series Sealed Ultraminiature Slide Switches

Features/Benefits

- Ultraminiature design saves PCB space
- Sealed construction, process compatible with most PCB wash processes
- Available in thru-hole and surface mount
- Long life contact design

Typical Applications

- Computer peripherals & network products
- Test & measurement equipment
- Telephone & cable modems



Specifications

CONTACT RATING: 0.4 VA max. @ 20 V AC or DC max.

MECHANICAL & ELECTRICAL LIFE: 40,000 make-and-break cycles at full load.

CONTACT RESISTANCE: Below 50 m Ω typ. initial @ 2-4 V DC, 100 mA.

INSULATION RESISTANCE: 10⁹ Ω min.

DIELECTRIC STRENGTH: 500 Vrms min. @ sea level.

STORAGE & OPERATING TEMPERATURE: -30°C to 85°C.

SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).

PACKAGING: Switches available in embossed anti-static tape and reels per EIA 481A. Some models available on embossed anti-static tape and reels per EIA 481-3, consult Customer Service Center.

Materials

HOUSING & BASE: Glass filled nylon 6/6, flame retardant, heat stabilized (UL 94V-0).

ACTUATOR: Polyetherimide PEI (UL 94V-0), with standard internal seal.

SWITCH SUPPORT: Brass, tin plated.

MOVABLE CONTACT: Copper with gold plate over nickel plate.

STATIONARY CONTACTS: Copper alloy, with gold plate over nickel plate.

TERMINALS: Copper alloy, with tin-lead alloy over nickel plate.

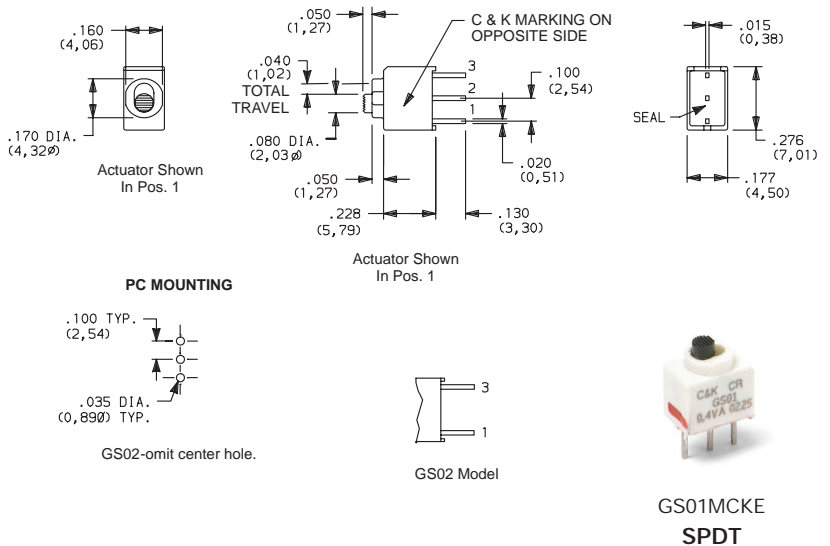
TERMINAL SEAL: Epoxy. All terminals insert molded.

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

How To Order

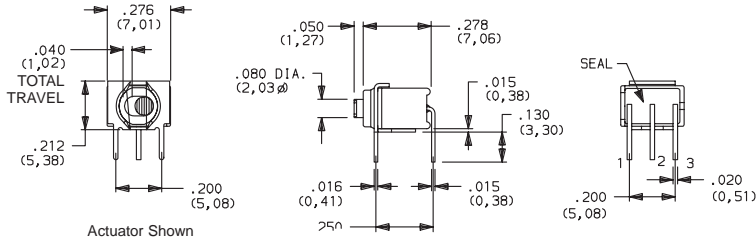
Complete part numbers for GS Series Sealed Ultraminiature Slide Switches are shown below and on pages I-17 and I-18.

PART NUMBER	SWITCH FUNCTION		SCHEMATIC
	POS. 1	POS. 2	
GS01MCKE	ON	ON	
Conn. Terms.	2-1	2-3	SPDT
GS02MCKE	OFF	ON	
Conn. Terms.	OPEN	3-1	SPST
GS04MCKE	ON	OFF	
Conn. Terms.	1-3	OPEN	SPST



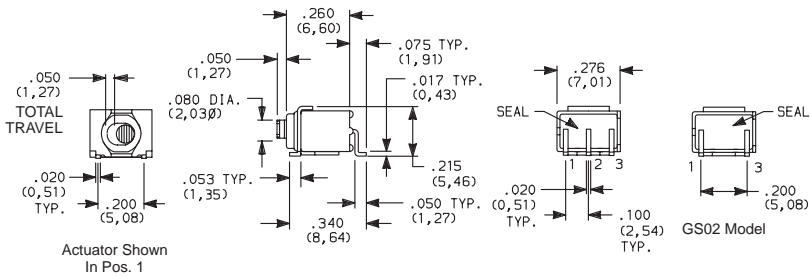
C&K GS Series Sealed Ultraminiature Slide Switches

Slide



GS01MAKE
Horizontal Actuation
SPDT

PART NUMBER	SWITCH FUNCTION		SCHEMATIC
	POS. 1	POS. 2	
GS01MAKE	ON	ON	
Conn. Terms.	2-1	2-3	
GS02MAKE	OFF	ON	
Conn. Terms.	OPEN	3-1	
GS04MAKE	ON	OFF	
Conn. Terms.	1-3	OPEN	



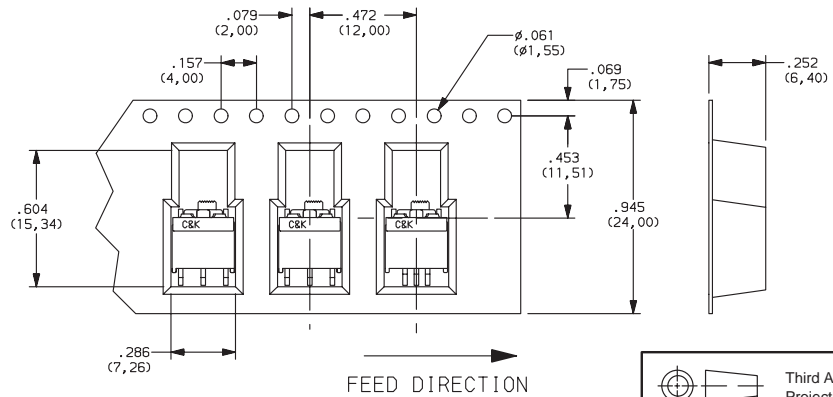
GS01MSAKE
Horizontal Actuation
SPDT

PART NUMBER	SWITCH FUNCTION		SCHEMATIC
	POS. 1	POS. 2	
GS01MSAKE	ON	ON	
Conn. Terms.	2-1	2-3	
GS02MSAKE	OFF	ON	
Conn. Terms.	OPEN	3-1	
GS04MSAKE	ON	OFF	
Conn. Terms.	1-3	OPEN	

TAPE & REEL

FOR PART NUMBERS GS01MSAKE, GS02MSAKE, GS04MSAKE

REEL INFORMATION	
OUTSIDE DIAMETER	13.00 (330.0)
PILOT HOLE	.512 (13.0)
QUANTITY PER REEL	600



Third Angle Projection

Dimensions are shown: IN (mm)
Dimensions subject to change