DIGITAST

Microminiature SPDT, Key Switches

Features/Benefits

- High reliability/long life
- Designed for low level switching
- Ready to implement on PCB
- Latching function available
- Several button options
- RoHS compliant and compatible

Typical Applications

- Medical
- Instrumentation
- Industrial electronics
- Audio electronics



Construction

FUNCTION: momentary or push-push

CONTACT ARRANGEMENT: 1 change over contact SPDT, NO

MODE OF SWITCHING: Non-shorting **DISTANCE BETWEEN BUTTON CENTERS:**

HORIZONTAL MINIMUM: 12,7 (0.500) or 17,78 (0.700)

VERTICAL MINIMUM: 17,78 (0.700)

TERMINALS: PC pins

MOUNTING: Soldering, centering pins

Mechanical

TOTAL TRAVEL: ≤ 3 (.0018) SWITCHING TRAVEL: 1,5 (0.0591) LATCHING TRAVEL: 1,8 (0.0709)

OPERATING FORCE: 1.5 +/- 0.5 N (150 +/- 50 grams)

Electrical

SWITCHING POWER MAX.: 240 mW DC SWITCHING VOLTAGE MAX.: 24 V DC SWITCHING CURRENT MAX.: 10 mA DC

CARRYING CURRENT AT 20°C (push-push version): 100 mA

DIELECTRIC STRENGTH (50 Hz, 1 min): 500 V OPERATING LIFE with or without max. switching power

Momentary: $\geq 5 \times 10^6$ operations Push-push: ≥ 5 x 10⁵ operations CONTACT RESISTANCE: Initial $\leq 50 \text{ m}\Omega$ After 5 x 10^6 operations: $\leq 100 \text{ m}\Omega$ INSULATION RESISTANCE: ≥ 10¹⁰ Ω CAPACITANCE at f= 10 kHz: ≤ 0.8pF

BOUNCE TIME: ≤ 2.5 ms

Operating speed 400 mm/s (15.75/s)

Process

SOLDERABILITY:

Wave soldering, compatible with lead free soldering profile Hand soldering, 350°C for 3 seconds

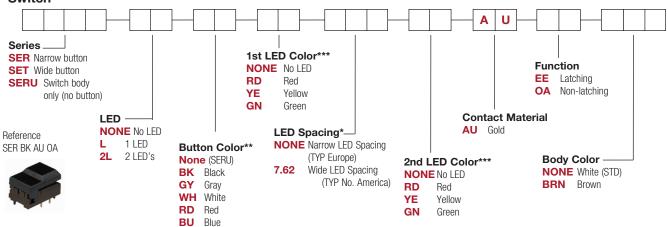
Environmental

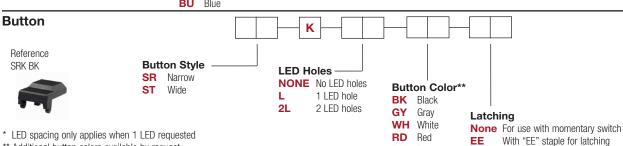
OPERATING TEMPERATURE: -25°C to 85°C.

How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box. Some of the configurations may not be available or could require some development.







** Additional button colors available by request

*** Additional LED colors available by request including Bi color configurations



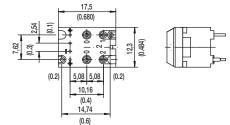
Dimensions are shown: mm Specifications and dimensions subject to change

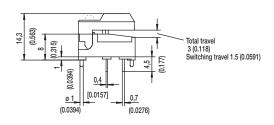
BU Blue

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SER NARROW BUTTON

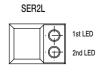










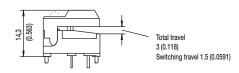


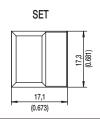
SET WIDE BUTTON



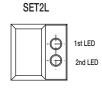








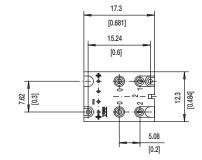




SERU NO BUTTON

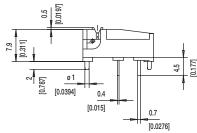


Key Switches







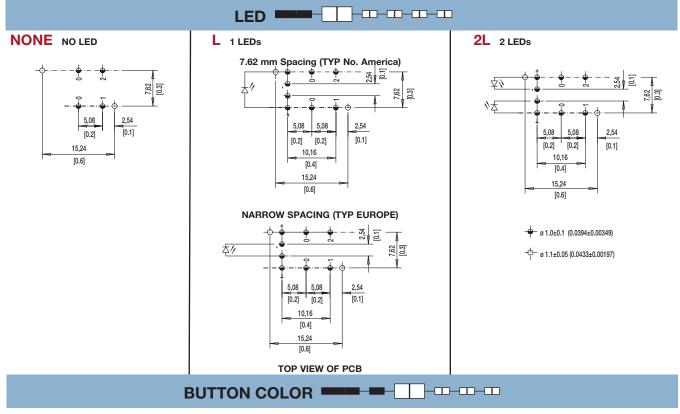






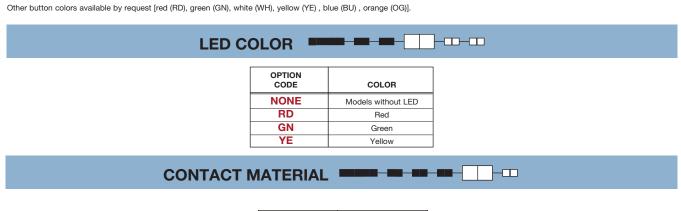
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BK BLACK

GY GRAY



OPTION CODE	MATERIAL
AU	Gold

FUNCTION •

OPTION CODE	COLOR	SCHEMATIC
OA	Momentary	2
EE	Push-Push	



Projection

Dimensions are shown: mm Specifications and dimensions subject to change



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