

SK Series Miniature Slide Switches - Side Knob

Features/Benefits

- Broad range of products
- Different travel - 2mm, 3mm & 4mm
- Various circuit design - 1P2T/3T/4T & 2P2T/3T/4T
- Various knob length & style
- Shorting or non-shorting
- Custom design available
- RoHS compliant

Typical Applications

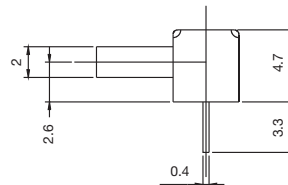
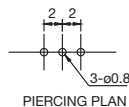
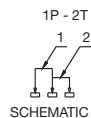
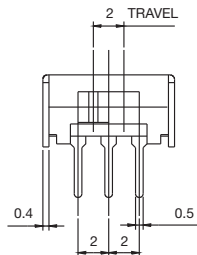
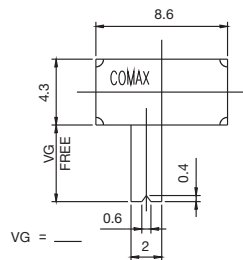
- Consumer electronics
- Computer peripherals
- Telecommunication
- Audio & visual equipment
- Industrial



2MM TRAVEL

SK-12D04-G 3 NS 1P2T NON-SHORTING 3MM KNOB

SK-12D04-VG 3 NS 1P2T NON-SHORTING 3MM KNOB (VG)



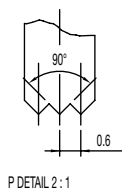
Specifications

CONTACT RATING: 0.3A @ 30 VDC
 INITIAL CONTACT RESISTANCE: 30 m ohms max.
 INSULATION RESISTANCE: 100 M ohms min.
 DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.
 OPERATING LIFE: 10,000 cycles with load
 OPERATING FORCE: 250 \pm 100 gf (2.45 \pm 0.98N)
 TRAVEL: 2 \pm 0.3 mm
 OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM
 FRAME: SPCC
 CONTACT: Silver clad
 TERMINAL: Silver plated

G knob style



SK Series

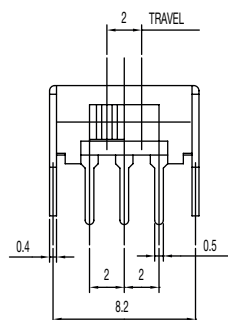
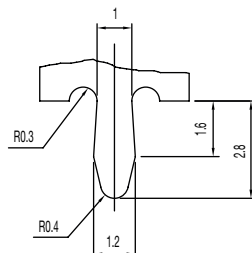
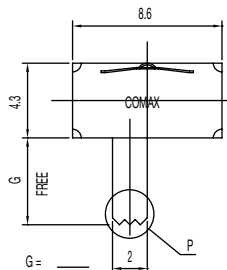
Miniature Slide Switches - Side Knob

SK-12D07-G 5 NS PA 1P2T NON-SHORTING 5MM KNOB

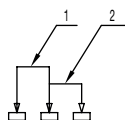
SK-12D07-G 6 NS PA 1P2T NON-SHORTING 6MM KNOB

SK-12D07-VG 4 NS PA 1P2T NON-SHORTING 4MM KNOB (VG)

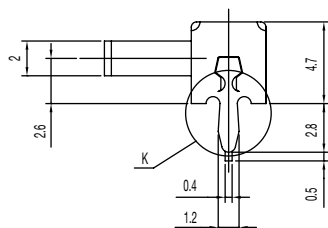
Slide



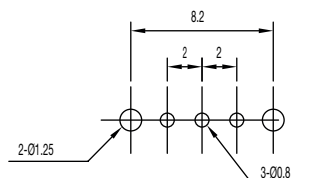
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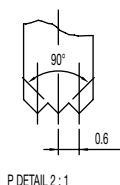
SCHEMATIC



PIERCING PLAN

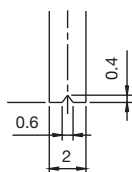


G knob style



P DETAIL 2:1

VG knob style



Specifications

CONTACT RATING: 0.3A @ 30 VDC

INITIAL CONTACT RESISTANCE: 30 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 10,000 cycles with load

OPERATING FORCE: 250 ± 100 gf (2.45 ± 0.98N)

TRAVEL: 2 ± 0.3 mm

OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: PA

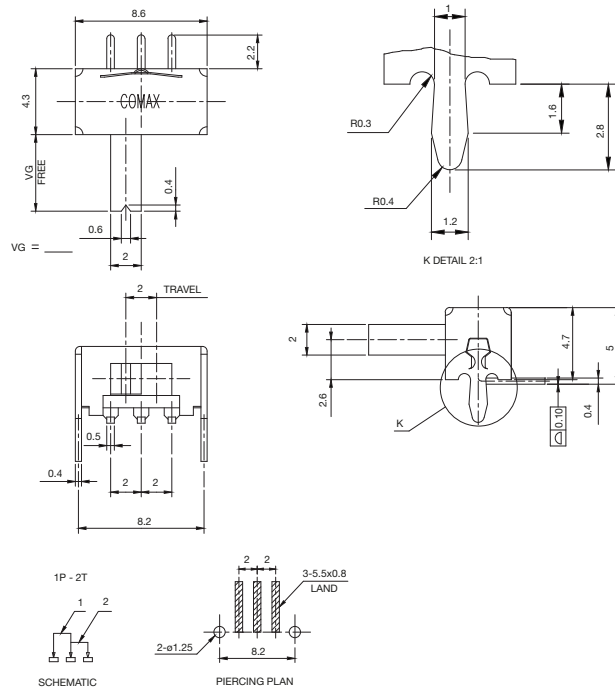
FRAME: SPCC

CONTACT: Silver clad

TERMINAL: Silver plated

SK Series Miniature Slide Switches - Side Knob

SK-12D07-VG 4 NS PA LT IP2T NON-SHORTING 4MM KNOB (VG)



Specifications

CONTACT RATING: 0.3A @ 30 VDC

INITIAL CONTACT RESISTANCE: 30 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 10,000 cycles with load

OPERATING FORCE: 250 ± 100 gf (2.45 ± 0.98 N)

TRAVEL: 2 ± 0.3 mm

OPERATING TEMPERATURE: -30°C to 80°C

Materials

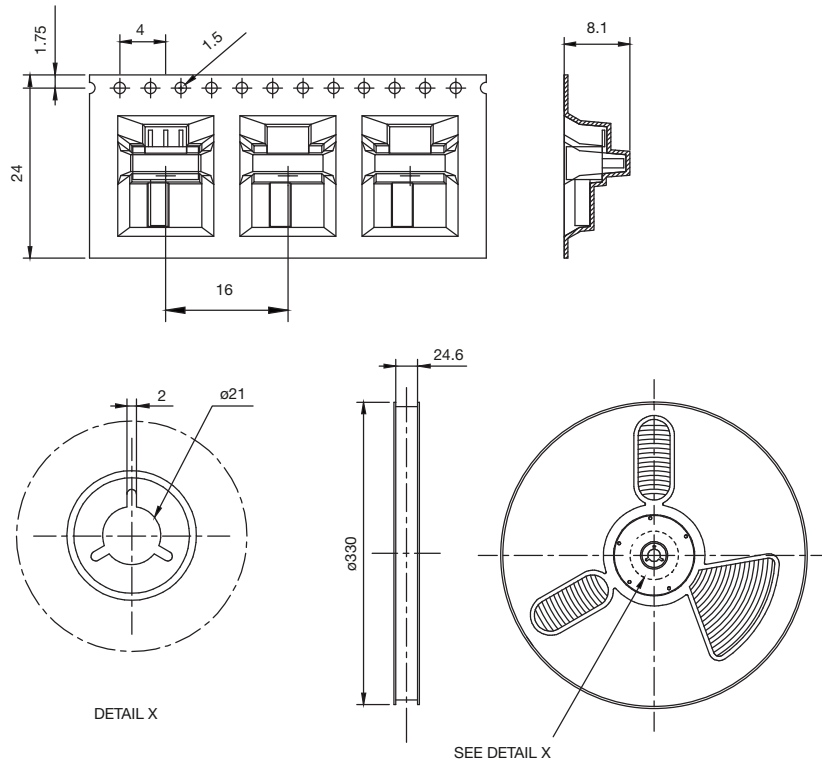
KNOB: PA

FRAME: SPCC

CONTACT: Silver clad

TERMINAL: Silver plated

Packaging: Tape & Reel

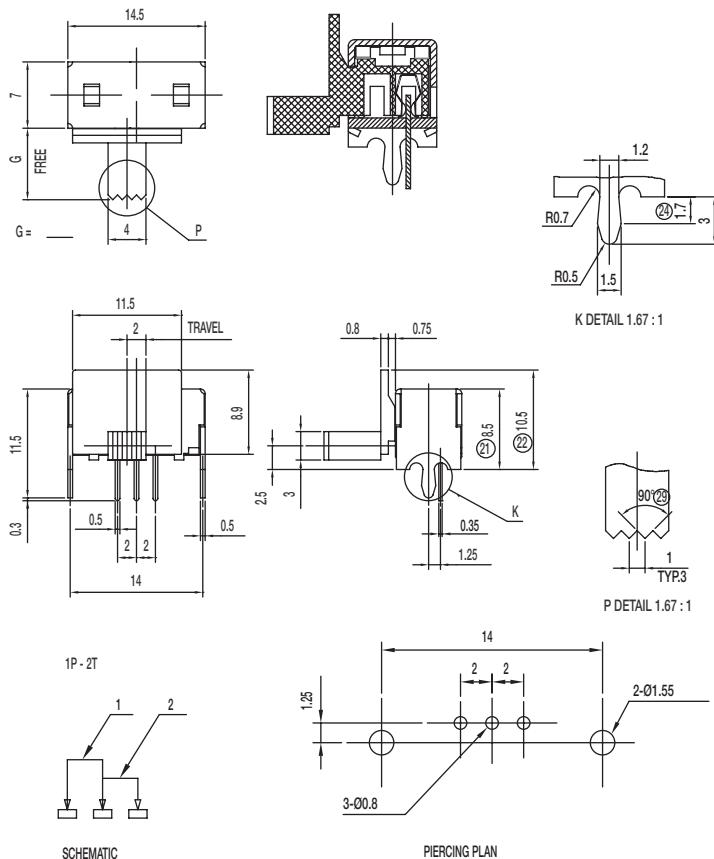


Total 400 pcs per reel

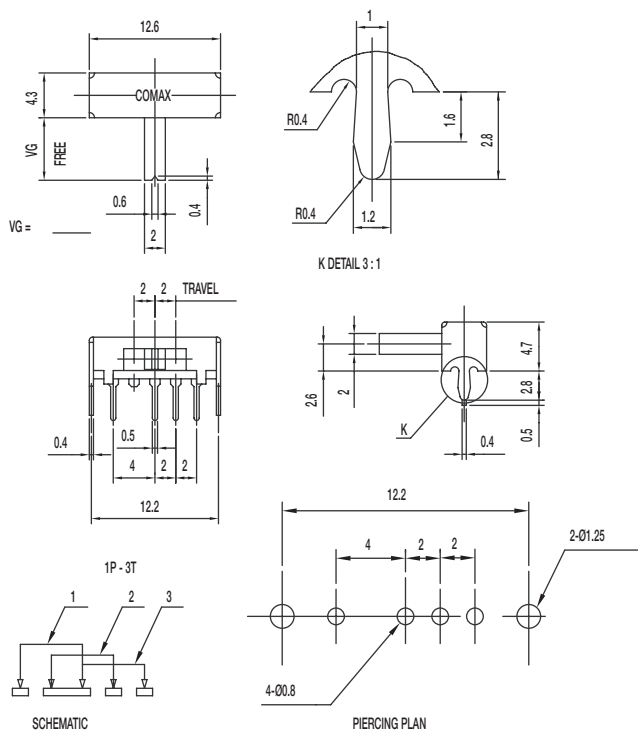
Miniature Slide Switches - Side Knob

SK-12D26-G 6.5 NS 1P2T NON-SHORTING 6.5MM KNOB

SK-12D26-G 6.5 NS GY 1P2T NON-SHORTING 6.5MM KNOB



SK-13D16-VG 5 PA 1P3T 5MM KNOB



Specifications

CONTACT RATING: 0.3A @ 30 VDC

INITIAL CONTACT RESISTANCE: 20 m ohms max.

INSULATION RESISTANCE: 500 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 10,000 cycles with load

OPERATING FORCE: 250 ± 100 gf (2.45 ± 0.98 N)

TRAVEL: 2 ± 0.3 mm

OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM for **SK-12D26-G 6.5 NS**

POM (GY = Grey) for **SK-12D26-G 6.5 NS GY**

FRAME: SPCC

CONTACT: Silver clad

TERMINAL: Silver plated

Specifications

CONTACT RATING: 0.3A @ 30 VDC

INITIAL CONTACT RESISTANCE: 30 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 10,000 cycles with load

OPERATING FORCE: 200 ± 100 gf (1.96 ± 0.98 N)

 $250 \pm 100 \text{ gf } (2.45 \pm 0.98 \text{ N})$

TRAVEL: 2 ± 0.3 mm

OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: PA

FRAME: SPCC

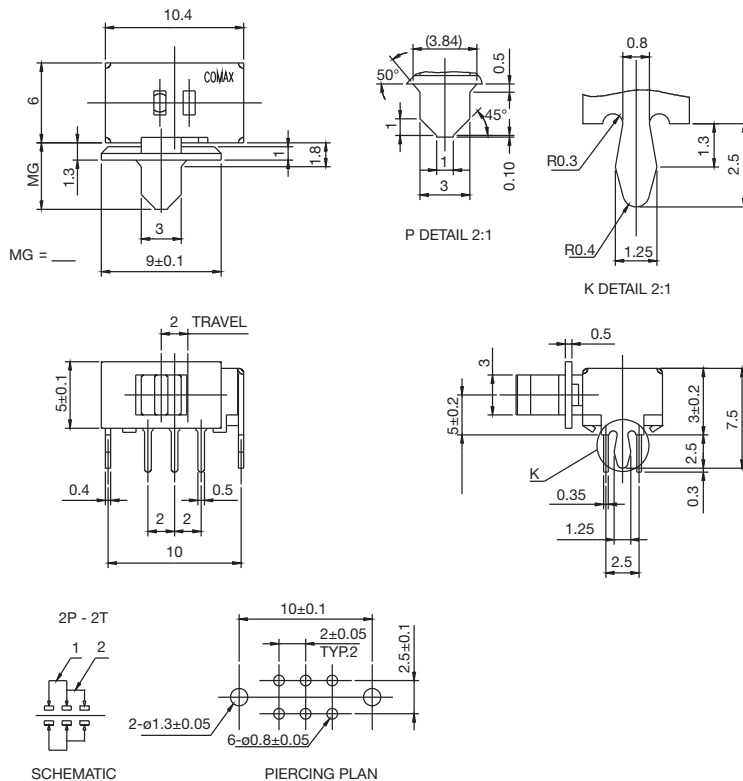
CONTACT: Silver clad

TERMINAL: Silver plated

SK Series

Miniature Slide Switches - Side Knob

SK-22D01-MG 5 NS DPDT NON-SHORTING 5MM KNOB



Specifications

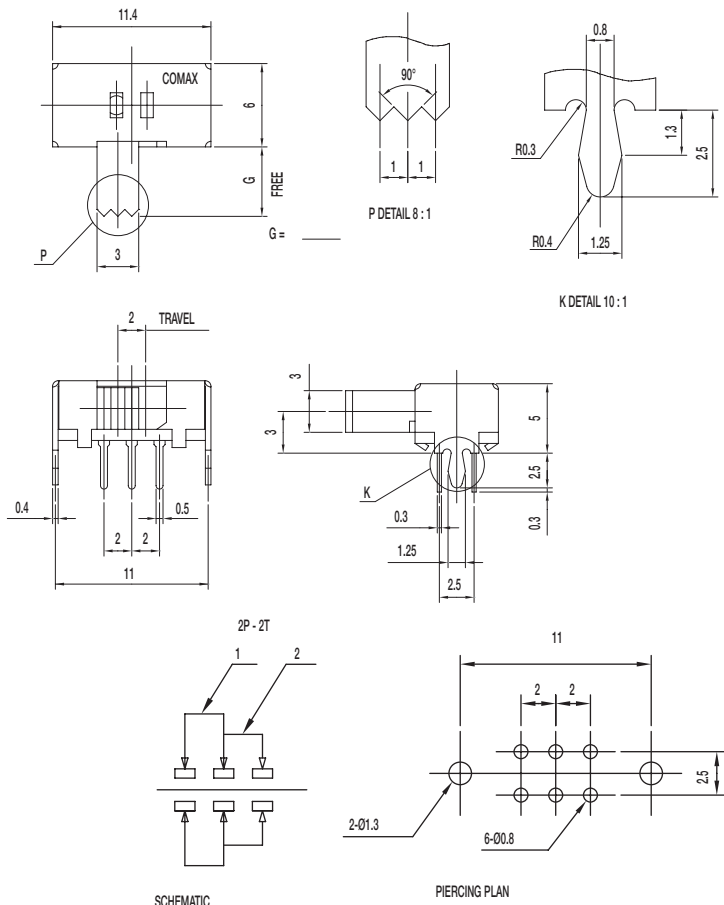
CONTACT RATING: 0.3A @ 30 VDC
 INITIAL CONTACT RESISTANCE: 30 m ohms max.
 INSULATION RESISTANCE: 100 M ohms min.
 DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.
 OPERATING LIFE: 10,000 cycles with load
 OPERATING FORCE: 250 ± 100 gf (2.45 ± 0.98 N)
 TRAVEL: 2 ± 0.3 mm
 OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM
 FRAME: SPCC
 CONTACT: Silver clad
 TERMINAL: Silver plated

SK-22D05-G 4 NS DPDT NON-SHORTING 4MM KNOB

SK-22D05-G 6 NS DPDT NON-SHORTING 6MM KNOB



Specifications

CONTACT RATING: 0.3A @ 30 VDC
 INITIAL CONTACT RESISTANCE: 30 m ohms max.
 INSULATION RESISTANCE: 100 M ohms min.
 DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.
 OPERATING LIFE: 10,000 cycles with load
 OPERATING FORCE: 250 ± 100 gf (2.45 ± 0.98 N)
 TRAVEL: 2 ± 0.3 mm
 OPERATING TEMPERATURE: -20°C to 70°C

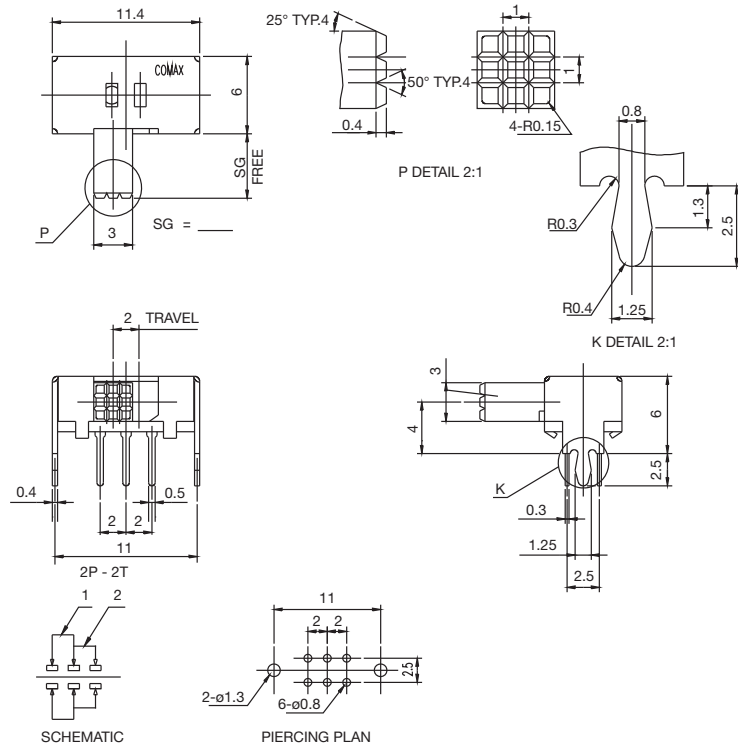
Materials

KNOB: POM
 FRAME: SPCC
 CONTACT: Silver clad
 TERMINAL: Silver plated

SK Series Miniature Slide Switches - Side Knob

SK-22D06-SG 5 NS DPDT NON-SHORTING 5MM

SK-22D06-SG 6 NS DPDT NON-SHORTING 6MM



Specifications

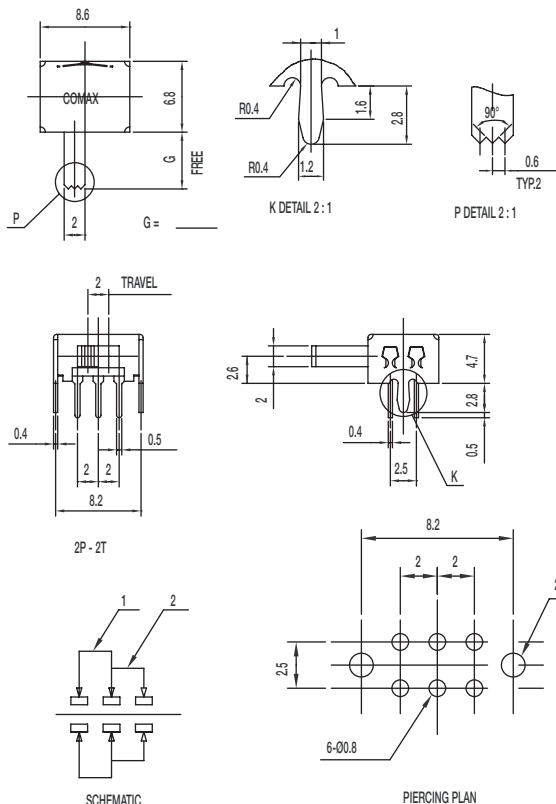
CONTACT RATING: 0.3A @ 30 VDC
INITIAL CONTACT RESISTANCE: 30 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.
OPERATING LIFE: 10,000 cycles with load
OPERATING FORCE: 250 ± 100 gf (2.45 ± 0.98N)
TRAVEL: 2 ± 0.3 mm
OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM
FRAME: SPCC
CONTACT: Silver clad
TERMINAL: Silver plated

SK-22D07-G 4 NS PA DPDT NON-SHORTING 4MM KNOB

SK-22D07-VG 4 NS PA DPDT NON-SHORTING 4MM KNOB (VG)



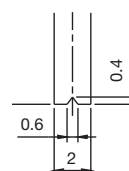
Specifications

CONTACT RATING: 0.3A @ 30 VDC
INITIAL CONTACT RESISTANCE: 30 m ohms max.
INSULATION RESISTANCE: 100 M ohms min.
DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.
OPERATING LIFE: 10,000 cycles with load
OPERATING FORCE: 250 ± 100 gf (2.45 ± 0.98N)
TRAVEL: 2 ± 0.3 mm
OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: PA (UL94V-0)
FRAME: SPCC
CONTACT: Silver clad
TERMINAL: Silver plated

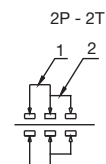
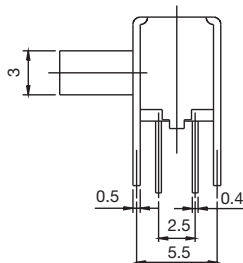
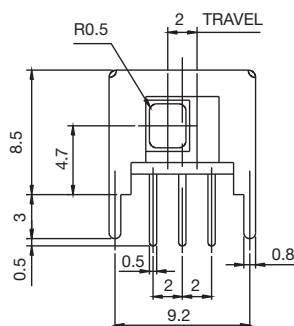
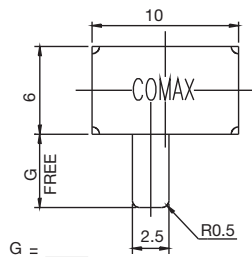
VG knob style



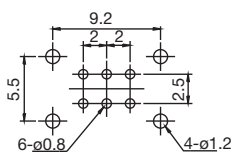
SK Series

Miniature Slide Switches - Side Knob

SK-22D21-G 5 NS DPDT NON-SHORTING 5MM KNOB

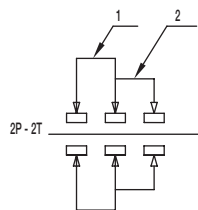
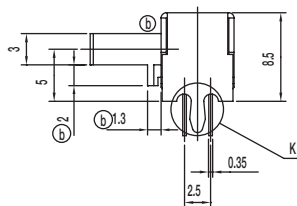
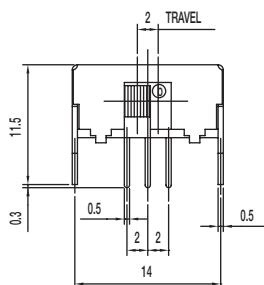
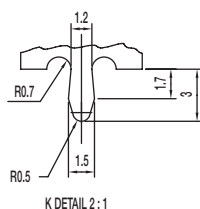
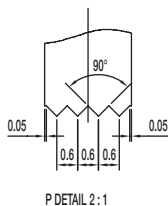
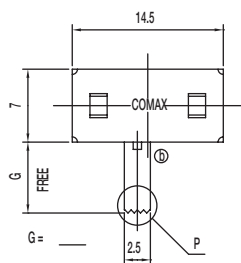


SCHEMATIC

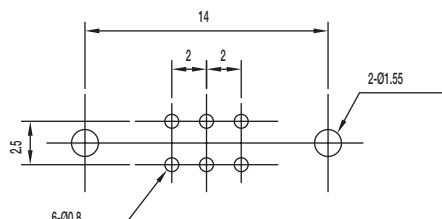


PIERCING PLAN

SK-22D28-G 6 NS DPDT NON-SHORTING 6MM KNOB



SCHEMATIC



PIERCING PLAN

Specifications

CONTACT RATING: 0.3A @ 30 VDC

INITIAL CONTACT RESISTANCE: 30 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 10,000 cycles with load

OPERATING FORCE: 300 ± 150 gf (2.94 ± 1.47N)

TRAVEL: 2 ± 0.3 mm

OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM

FRAME: SPCC

CONTACT: Silver clad

TERMINAL: Silver plated

Specifications

CONTACT RATING: 0.3A @ 30 VDC

INITIAL CONTACT RESISTANCE: 30 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 10,000 cycles with load

OPERATING FORCE: 200 ± 100 gf (1.96 ± 0.98N)

TRAVEL: 2 ± 0.3 mm

OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM

FRAME: SPCC

CONTACT: Silver clad

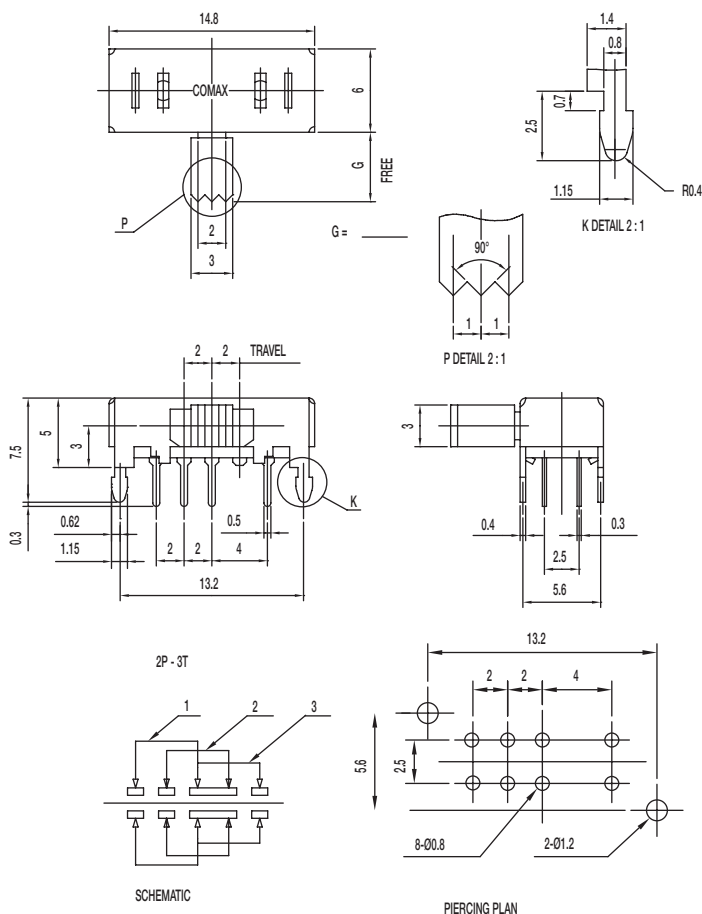
TERMINAL: Silver plated

Slide

SK Series

Miniature Slide Switches - Side Knob

SK-23D05-G 5 2P3T 5MM KNOB



Specifications

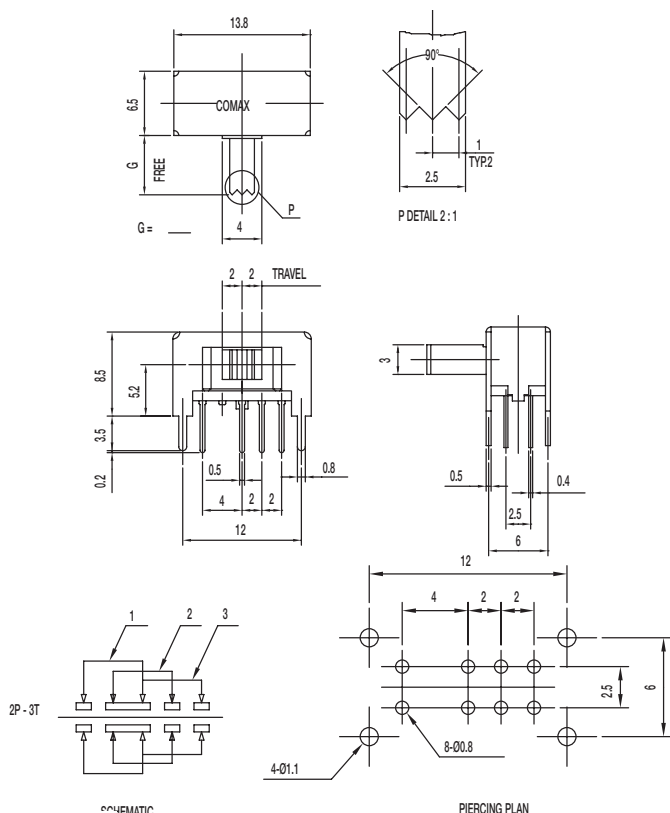
CONTACT RATING: 0.3A @ 30 VDC
 INITIAL CONTACT RESISTANCE: 30 m ohms max.
 INSULATION RESISTANCE: 100 M ohms min.
 DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.
 OPERATING LIFE: 10,000 cycles with load
 OPERATING FORCE: 200 ± 100 gf (1.96 ± 0.98N)
 250 ± 100 gf (2.45 ± 0.98N)
 TRAVEL: 2 ± 0.3 mm
 OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM
 FRAME: SPCC
 CONTACT: Silver clad
 TERMINAL: Silver plated

SK-23D24-G 4 2P3T 4MM KNOB

SK-23D24-G 7 2P3T 7MM KNOB



Specifications

CONTACT RATING: 0.3A @ 30 VDC
 INITIAL CONTACT RESISTANCE: 30 m ohms max.
 INSULATION RESISTANCE: 100 M ohms min.
 DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.
 OPERATING LIFE: 10,000 cycles with load
 OPERATING FORCE: 200 ± 100 gf (1.96 ± 0.98N)
 300 ± 150 gf (2.94 ± 1.47N)
 TRAVEL: 2 ± 0.3 mm
 OPERATING TEMPERATURE: -20°C to 70°C

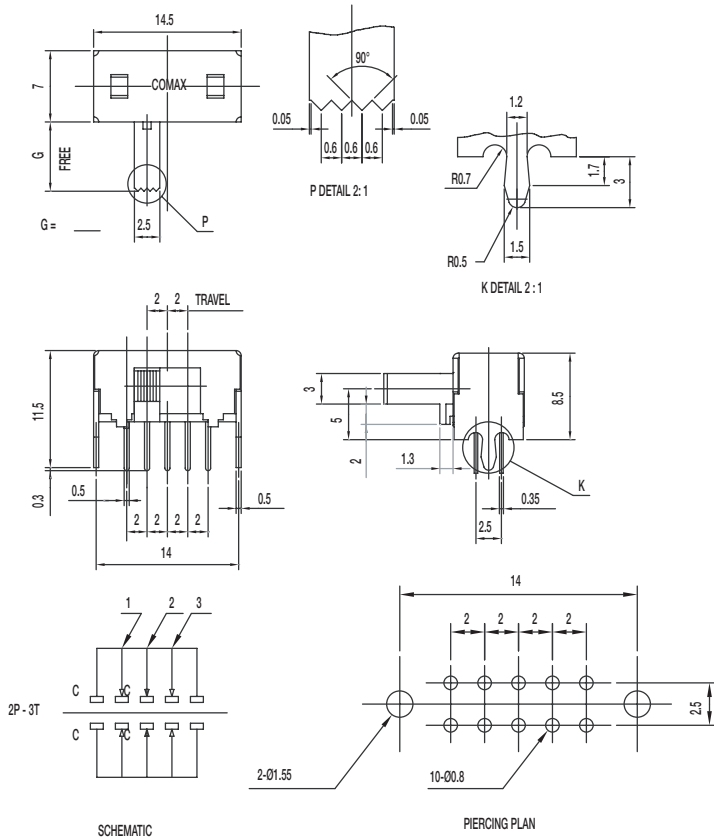
Materials

KNOB: POM
 FRAME: SPCC
 CONTACT: Silver clad
 TERMINAL: Silver plated

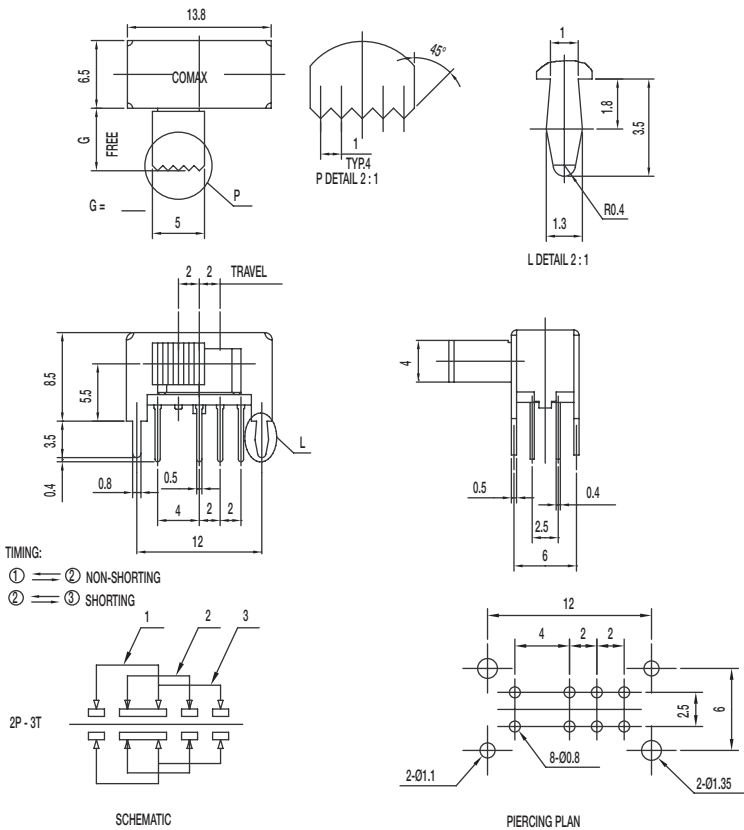
SK Series

Miniature Slide Switches - Side Knob

SK-23D28-G 6 NS 2P3T NON-SHORTING 6MM KNOB



SK-23D44-G 9 K 2P3T 9MM KNOB



Specifications

CONTACT RATING: 0.3A @ 30 VDC

INITIAL CONTACT RESISTANCE: 30 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 10,000 cycles with load

OPERATING FORCE: 200 ± 100 gf (1.96 ± 0.98 N)

 $300 \pm 150 \text{ gf } (2.94 \pm 1.47\text{N})$

TRAVEL: 2 ± 0.3 mm

OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM

FRAME: SPCC

CONTACT: Silver clad

TERMINAL: Silver plated

Specifications

CONTACT RATING: 0.3A @ 30 VDC

INITIAL CONTACT RESISTANCE: 30 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 10,000 cycles with load

OPERATING FORCE: 250 ± 150 gf (2.45 ± 1.47 N)

 $300 \pm 150 \text{ gf} \quad (2.94 \pm 1.47 \text{ N})$

TRAVEL: 2 ± 0.3 mm

OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM

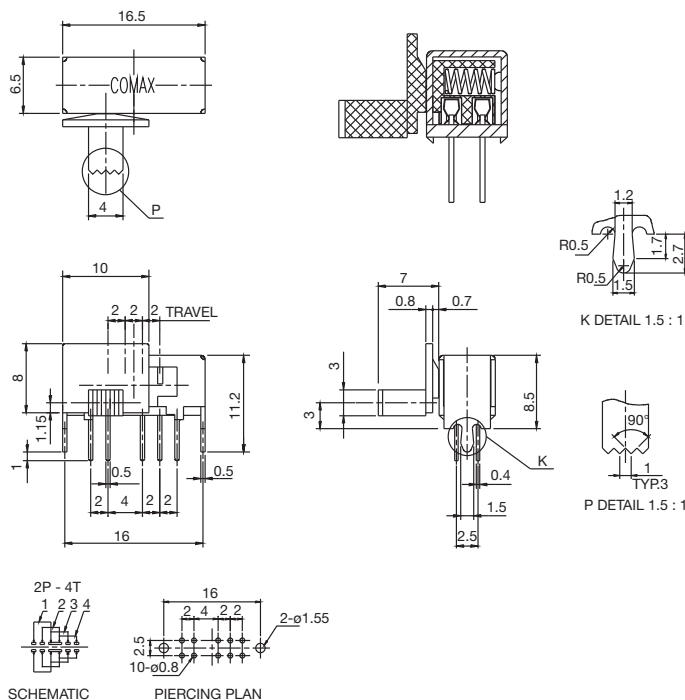
FRAME: SPCC

CONTACT: Silver clad

TERMINAL: Silver plated

SK Series Miniature Slide Switches - Side Knob

SK-24D24-CV 7 GY 2P3T 7MM KNOB



Specifications

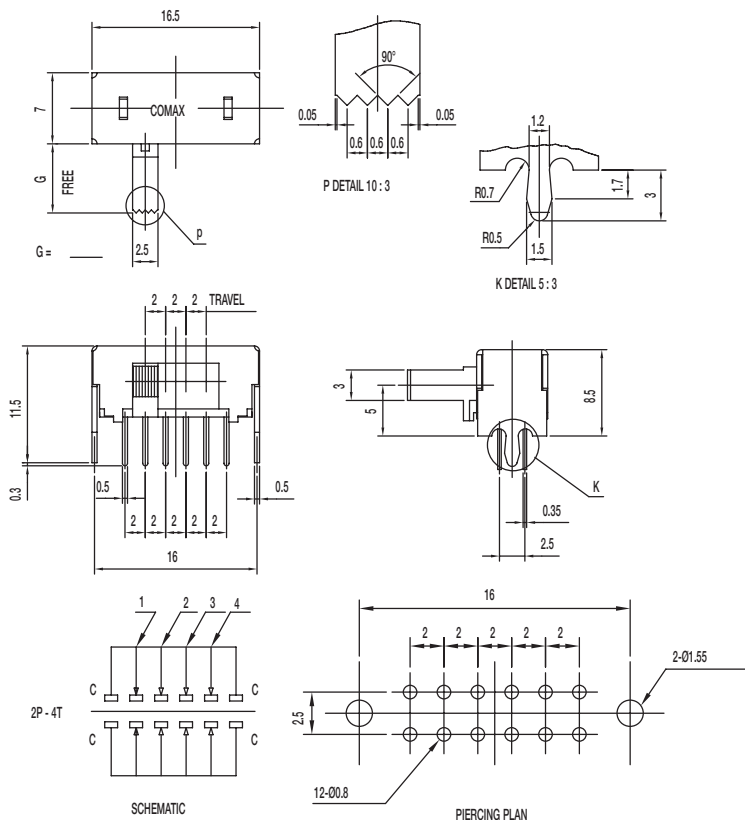
CONTACT RATING: 0.3A @ 30 VDC
 INITIAL CONTACT RESISTANCE: 30 m ohms max.
 INSULATION RESISTANCE: 100 M ohms min.
 DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.
 OPERATING LIFE: 10,000 cycles with load
 OPERATING FORCE: 200 ± 100 gf (1.96 ± 0.98 N)
 250 ± 100 gf (2.45 ± 0.98 N)
 TRAVEL: 2 ± 0.3 mm
 OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM
 FRAME: SPCC
 CONTACT: Silver clad
 TERMINAL: Silver plated

SK-24D28-G 4 NS 2P4T NON-SHORTING 4MM KNOB

SK-24D28-G 6 NS 2P4T NON-SHORTING 6MM KNOB



Specifications

CONTACT RATING: 0.3A @ 30 VDC
 INITIAL CONTACT RESISTANCE: 30 m ohms max.
 INSULATION RESISTANCE: 100 M ohms min.
 DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.
 OPERATING LIFE: 10,000 cycles with load
 OPERATING FORCE: 200 ± 100 gf (1.96 ± 0.98 N)
 250 ± 100 gf (2.45 ± 0.98 N); 300 ± 150 gf (2.94 ± 1.47 N)
 TRAVEL: 2 ± 0.3 mm
 OPERATING TEMPERATURE: -20°C to 70°C

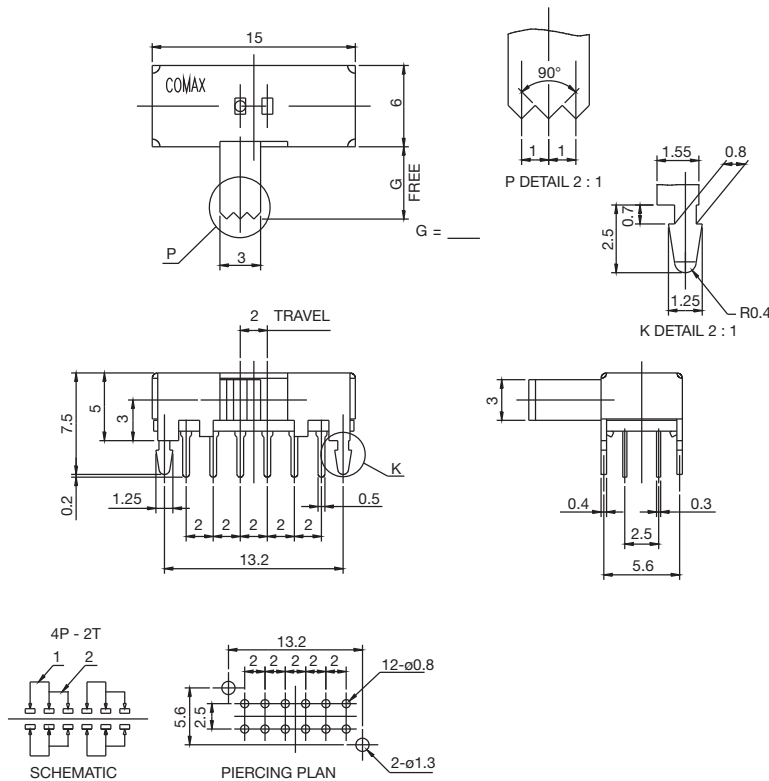
Materials

KNOB: POM
 FRAME: SPCC
 CONTACT: Silver clad
 TERMINAL: Silver plated

SK Series

Miniature Slide Switches - Side Knob

SK-42D05-G 6 NS 4P2T NON-SHORTING 6MM KNOB



Specifications

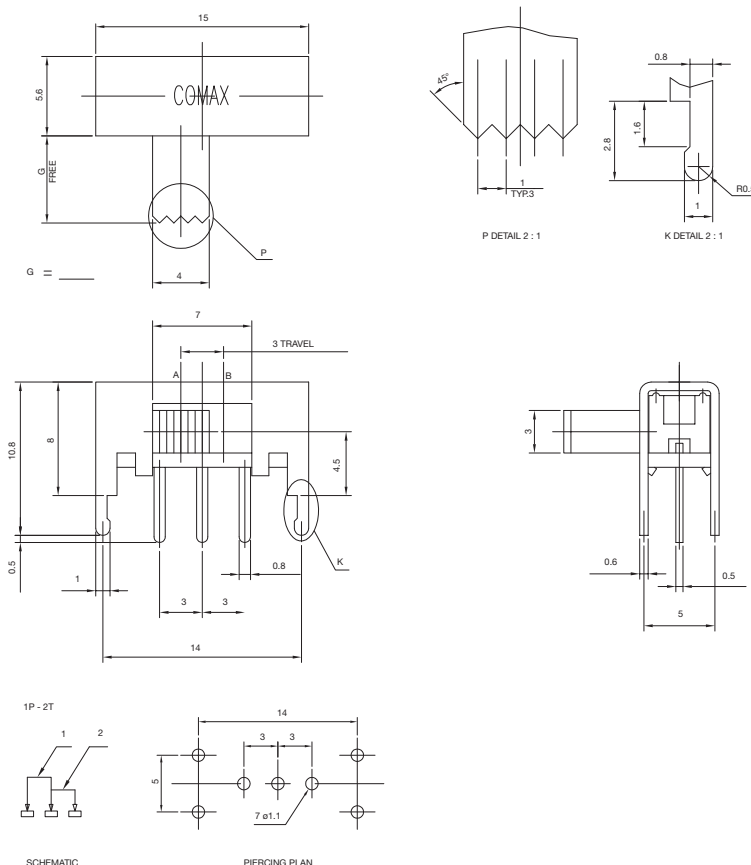
CONTACT RATING: 0.3A @ 30 VDC
 INITIAL CONTACT RESISTANCE: 30 m ohms max.
 INSULATION RESISTANCE: 100 M ohms min.
 DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.
 OPERATING LIFE: 10,000 cycles with load
 OPERATING FORCE: 250 ± 100 gf (2.45 ± 0.98N)
 TRAVEL: 2 ± 0.3 mm
 OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM
 FRAME: SPCC
 CONTACT: Silver clad
 TERMINAL: Silver plated

3MM TRAVEL

SK-12F17-G 7 1P2T NON-SHORTING 7MM KNOB



Specifications

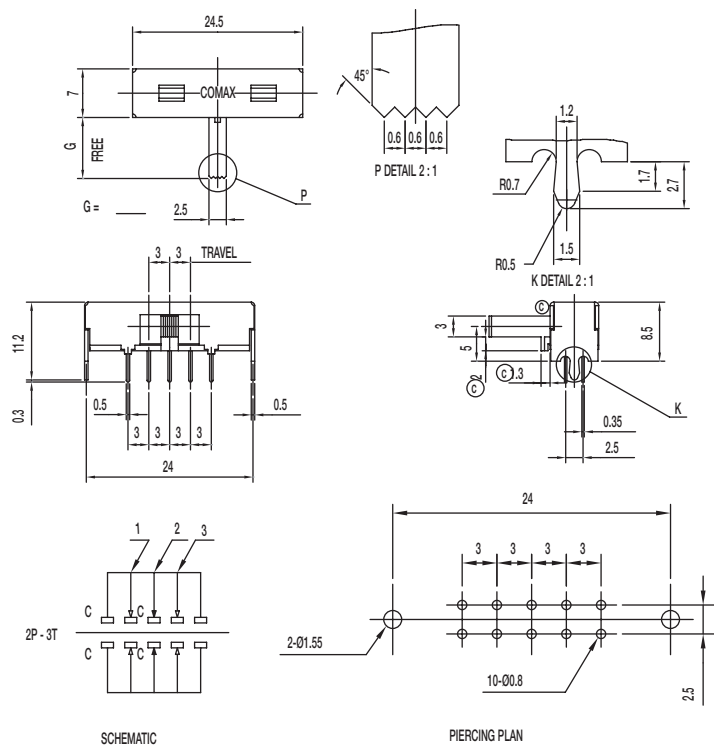
CONTACT RATING: 0.3A @ 30 VDC
 INITIAL CONTACT RESISTANCE: 30 m ohms max.
 INSULATION RESISTANCE: 100 M ohms min.
 DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.
 OPERATING LIFE: 10,000 cycles with load
 OPERATING FORCE: 250 ± 100 gf (2.45 ± 0.98N)
 TRAVEL: 3 ± 0.3 mm
 OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: PBT
 FRAME: SPCC
 CONTACT: Silver clad
 TERMINAL: Silver plated

SK Series Miniature Slide Switches - Side Knob

SK-23F28-G 6 NS 2P3T NON-SHORTING 6MM KNOB



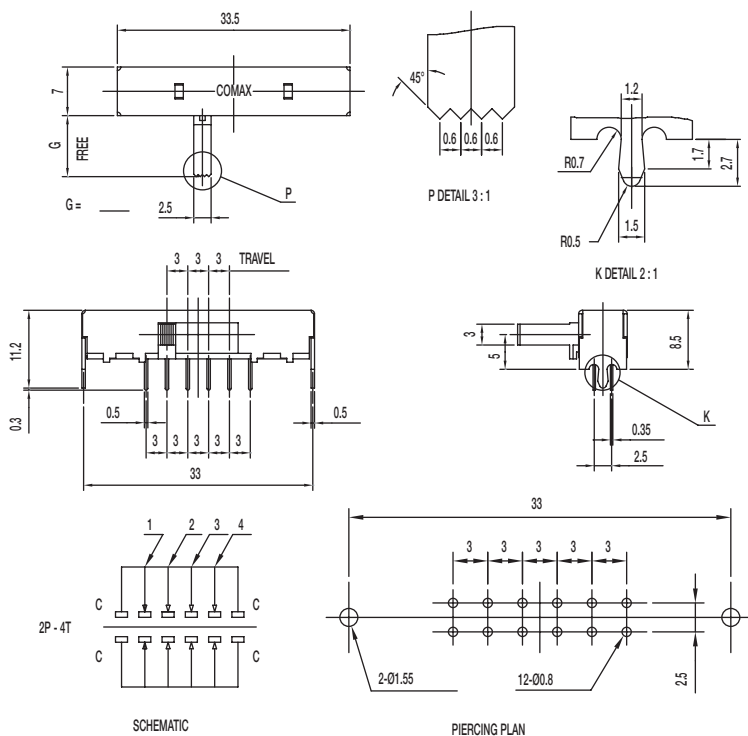
Specifications

CONTACT RATING: 0.3A @ 30 VDC
 INITIAL CONTACT RESISTANCE: 30 m ohms max.
 INSULATION RESISTANCE: 100 M ohms min.
 DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.
 OPERATING LIFE: 10,000 cycles with load
 OPERATING FORCE: 150 ± 80 gf (1.47 ± 0.78N)
 200 ± 100 gf (1.96 ± 0.98N)
 TRAVEL: 3 ± 0.3 mm
 OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM
 FRAME: SPCC
 CONTACT: Silver clad
 TERMINAL: Silver plated

SK-24F28-G 6 NS 2P4T NON-SHORTING 6MM KNOB



Specifications

CONTACT RATING: 0.3A @ 30 VDC
 INITIAL CONTACT RESISTANCE: 30 m ohms max.
 INSULATION RESISTANCE: 100 M ohms min.
 DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.
 OPERATING LIFE: 10,000 cycles with load
 OPERATING FORCE: 200 ± 100 gf (1.96 ± 0.98N)
 250 ± 100 gf (2.45 ± 0.98N)
 TRAVEL: 3 ± 0.3 mm
 OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM
 FRAME: SPCC
 CONTACT: Silver clad
 TERMINAL: Silver plated

Slide

1-83

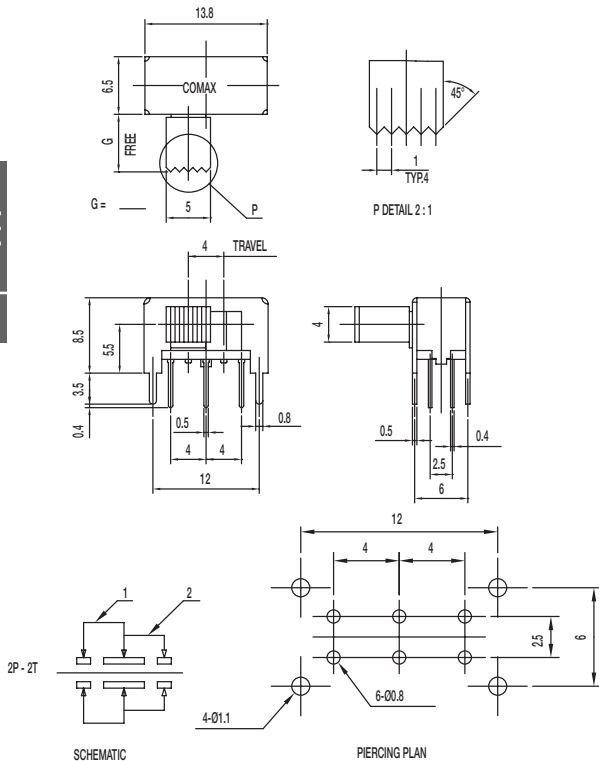
SK Series

Miniature Slide Switches - Side Knob

SK-22H04-G 7 NS DPDT NON-SHORTING 7MM KNOB

SK-22H04-G 9 NS DPDT NON-SHORTING 9MM KNOB

SK-22H04-G 12 NS DPDT NON-SHORTING 12MM KNOB



Specifications

CONTACT RATING: 0.3A @ 30 VDC

INITIAL CONTACT RESISTANCE: 30 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 10,000 cycles with load

OPERATING FORCE: 250 ± 100 gf (2.45 ± 0.98N)

TRAVEL: 4 ± 0.3 mm

OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM

FRAME: SPCC

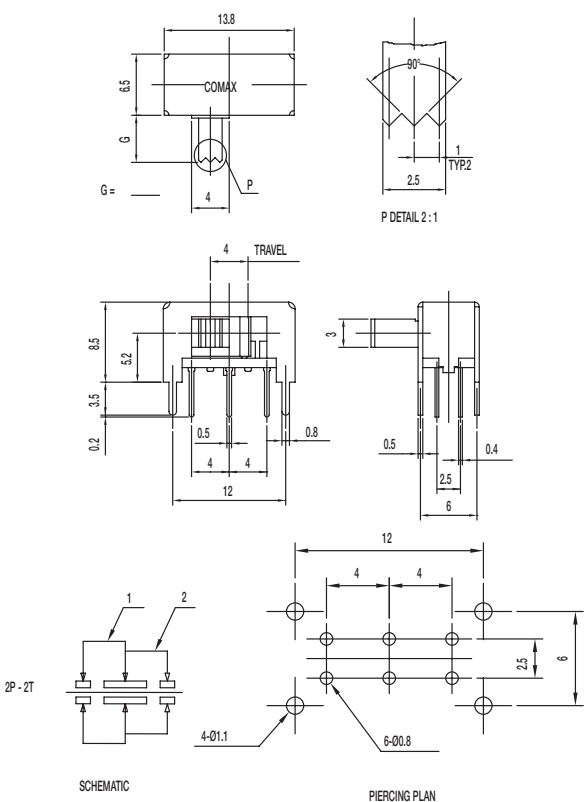
CONTACT: Silver clad

TERMINAL: Silver plated

SK-22H24-G 4 NS DPDT NON-SHORTING 4MM KNOB

SK-22H24-G 5 NS DPDT NON-SHORTING 5MM KNOB

SK-22H24-G 6 NS DPDT NON-SHORTING 6MM KNOB



Specifications

CONTACT RATING: 0.3A @ 30 VDC

INITIAL CONTACT RESISTANCE: 30 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 500 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 10,000 cycles with load

OPERATING FORCE: 250 ± 100 gf (2.45 ± 0.98N)

TRAVEL: 4 ± 0.3 mm

OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM

FRAME: SPCC

CONTACT: Silver clad

TERMINAL: Silver plated