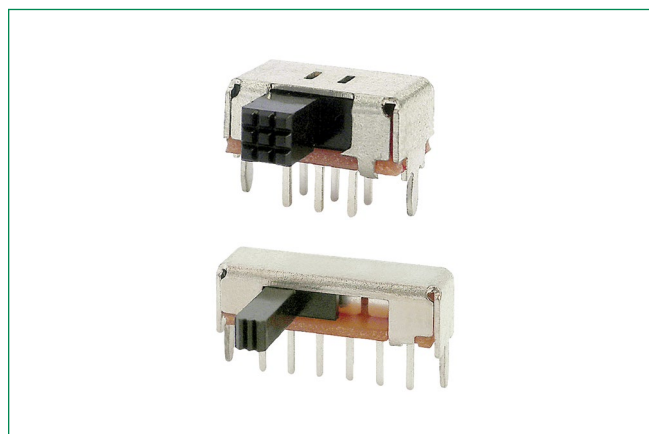


SK Series

Miniature Slide Switches - Side Knob



Description

Those designing innovative applications in the consumer electronics, computer peripherals, and telecommunications industry turn to SK series miniature slide switches when they need a long-lasting, high-performing switch solution. The SK series come in shorting or non-shorting options and can be custom designed.

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

Applications

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

Ordering Number

Part number list is shown below. For individual part details, please refer to the following pages.

Part Number (Part Description)	Product Details
SK-12D04-G 3 NS	1P2T, 2mm travel, Frame H=4.7mm, Tail L=3.3mm, Knob type G with L=3mm, POM, Non shorting
SK-12D04-VG 3 NS	1P2T, 2mm travel, Frame H=4.7mm, Tail L=3.3mm, Knob type VG with L=3mm, POM, Non shorting
SK-12D07-G 5 NS PA	1P2T, 2mm travel, Frame H=4.7mm, Tail L=3.3mm, Knob type G with L=5mm, PA, Non shorting
SK-12D07-G 6 NS PA	1P2T, 2mm travel, Frame H=4.7mm, Tail L=3.3mm, Knob type G with L=6mm, PA, Non shorting
SK-12D07-VG 4 NS PA	1P2T, 2mm travel, Frame H=4.7mm, Tail L=3.3mm, Knob type VG with L=4mm, PA, Non shorting
SK-12D07-VG 4 NS PA LT	1P2T, 2mm travel, Frame H=5mm, Vertical bending, Knob type VG with L=4mm, PA, Non shorting
SK-12D26-G 6.5 NS	1P2T, 2mm travel, Frame H=10.5mm, Tail L=3.3mm, Knob type G with L=6.5mm, POM, Non shorting
SK-12D26-G 6.5 NS GY	1P2T, 2mm travel, Frame H=10.5mm, Tail L=3.3mm, Knob type G with L=6.5mm, POM, Grey, Non shorting
SK-13D16-VG 5 PA	1P3T, 2mm travel, Frame H=4.7mm, Tail L=3.3mm, Knob type VG with L=5mm, PA
SK-13D37-G 6 NS	1P3T, 2mm travel, Frame H=8.5mm, Tail L=2.3mm, Knob type G with L=6mm, POM, Non shorting
SK-14D01-G 6	1P4T, 2mm travel, Frame H=4.7mm, Tail L=3.3mm, Knob type G with L=6mm, POM
SK-22D01-MG 5 NS	2P2T, 2mm travel, Frame H=3mm, Tail L=2.8mm, Knob type MG with L=5mm, POM, Non shorting
SK-22D05-G 4 NS	2P2T, 2mm travel, Frame H=5mm, Tail L=2.8mm, Knob type G with L=4mm, POM, Non shorting
SK-22D05-G 6 NS	2P2T, 2mm travel, Frame H=5mm, Tail L=2.8mm, Knob type G with L=4mm, POM, Non shorting
SK-22D06-SG 5 NS	2P2T, 2mm travel, Frame H=6mm, Tail L=2.5mm, Knob type SG with L=5mm, POM, Non shorting
SK-22D06-SG 6 NS	2P2T, 2mm travel, Frame H=6mm, Tail L=2.5mm, Knob type SG with L=5mm, POM, Non shorting
SK-22D21-G 5 NS	2P2T, 2mm travel, Frame H=8.5mm, Tail L=3.5mm, Knob type G with L=5mm, POM, Non shorting
SK-22D28-G 6 NS	2P2T, 2mm travel, Frame H=8.5mm, Tail L=3.3mm, Knob type G with L=6mm, POM, Non shorting
SK-22D37-SG 6 NS PA	2P2T, 2mm travel, Frame H=5.5mm, Tail L=2.3mm, Knob type SG with L=6mm, PA, Non shorting
SK-23D04-G 9	2P3T, 2mm travel, Frame H=8.5mm, Tail L=3.9mm, Knob type G with L=9mm, POM
SK-23D04-G 12	2P3T, 2mm travel, Frame H=8.5mm, Tail L=3.9mm, Knob type G with L=12mm, POM
SK-23D05-G 5	2P3T, 2mm travel, Frame H=5mm, Tail L=2.8mm, Knob type G with L=5mm, POM
SK-23D24-G 4	2P3T, 2mm travel, Frame H=8.5mm, Tail L=3.7mm, Knob type G with L=4mm, POM
SK-23D24-G 7	2P3T, 2mm travel, Frame H=8.5mm, Tail L=3.7mm, Knob type G with L=7mm, POM

SK Series

Miniature Slide Switches - Side Knob

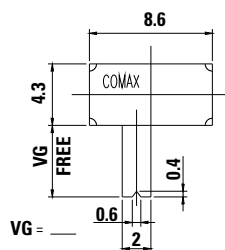


Part Number (Part Description)	Product Details
SK-23D28-G 6 NS	2P3T, 2mm travel, Frame H=8.5mm, Tail L=3.3mm, Knob type G with L=6mm, POM, Non shorting
SK-23D44-G 9 K	2P3T, 2mm travel, Frame H=8.5mm, Tail L=3.9mm, Knob type G with L=9mm, POM, Non shorting between POS 1 & 2, shorting between POS 2 & 3
SK-24D24-CV 7 GY	2P4T, 2mm travel, Frame H=9.85mm, Tail L=3.7mm, Knob type CV with L=7mm, POM, Grey
SK-24D28-G 4 NS	2P4T, 2mm travel, Frame H=8.5mm, Tail L=3.3mm, Knob type G with L=4mm, POM, Non shorting
SK-24D28-G 6 NS	2P4T, 2mm travel, Frame H=8.5mm, Tail L=3.3mm, Knob type G with L=6mm, POM, Non shorting
SK-42D05-G 6 NS	4P2T, 2mm travel, Frame H=5mm, Tail L=2.7mm, Knob type G with L=6mm, POM, Non shorting
SK-12F17-G 7	1P2T, 3mm travel, Frame H=8mm, Tail L=3.3mm, Knob type G with L=7mm, PBT, Non shorting
SK-23F28-G 6 NS	2P3T, 3mm travel, Frame H=8.5mm, Tail L=3mm, Knob type G with L=6mm, POM, Non shorting
SK-24F28-G 6 NS	2P4T, 3mm travel, Frame H=8.5mm, Tail L=3mm, Knob type G with L=6mm, POM, Non shorting
SK-42F28-G 6 NS	4P2T, 3mm travel, Frame H=8.5mm, Tail L=3mm, Knob type G with L=6mm, POM, Non shorting
SK-12H04-G 6 NS PA	1P2T, 4mm travel, Frame H=8.5mm, Tail L=3.9mm, Knob type G with L=6mm, PA, Non shorting
SK-22H04-G 7 NS	2P2T, 4mm travel, Frame H=8.5mm, Tail L=3.9mm, Knob type G with L=7mm, POM, Non shorting
SK-22H04-G 9 NS	2P2T, 4mm travel, Frame H=8.5mm, Tail L=3.9mm, Knob type G with L=9mm, POM, Non shorting
SK-22H04-G 12 NS	2P2T, 4mm travel, Frame H=8.5mm, Tail L=3.9mm, Knob type G with L=12mm, POM, Non shorting
SK-22H24-G 4 NS	2P2T, 4mm travel, Frame H=8.5mm, Tail L=3.7mm, Knob type G with L=4mm, POM, Non shorting
SK-22H24-G 5 NS	2P2T, 4mm travel, Frame H=8.5mm, Tail L=3.7mm, Knob type G with L=5mm, POM, Non shorting
SK-22H24-G 6 NS	2P2T, 4mm travel, Frame H=8.5mm, Tail L=3.7mm, Knob type G with L=6mm, POM, Non shorting

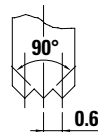
Dimensions

2mm Travel

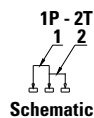
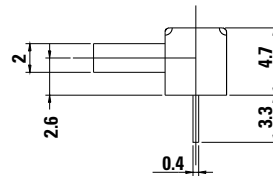
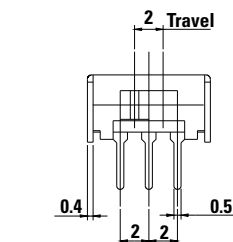
SK-12D04-G 3 NS 1P2T Non-Shorting 3mm Knob
SK-12D04-VG 3 NS 1P2T Non-Shorting 3mm Knob (VG)



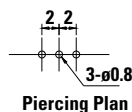
G Knob Style



P Detail 2 : 1



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	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 Series

Miniature Slide Switches - Side Knob

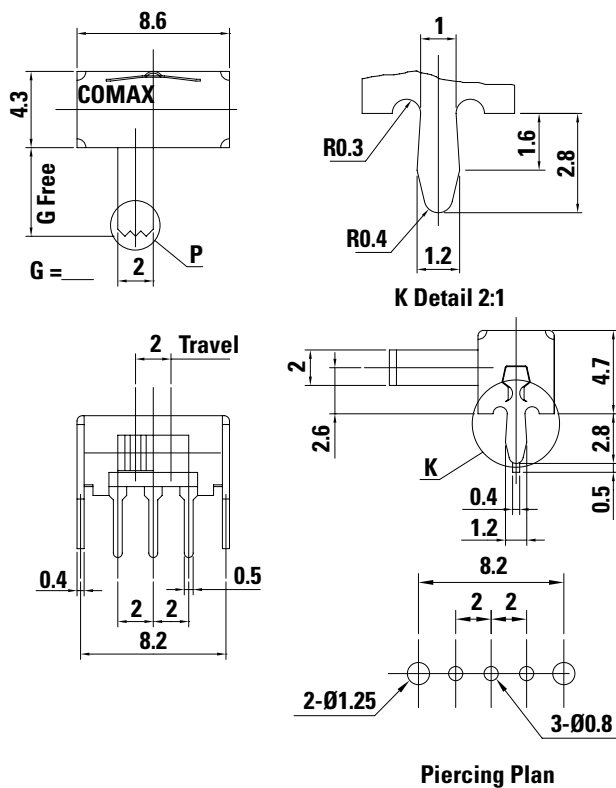


Dimensions

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)



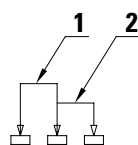
Specifications

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

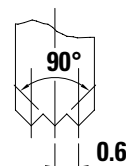
Knob	PA
Frame	SPCC
Contact	Silver clad
Terminal	Silver plated

1P - 2T



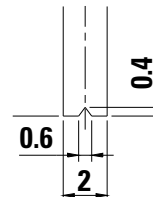
Schematic

G Knob Style



P Detail 2 : 1

VG Knob Style



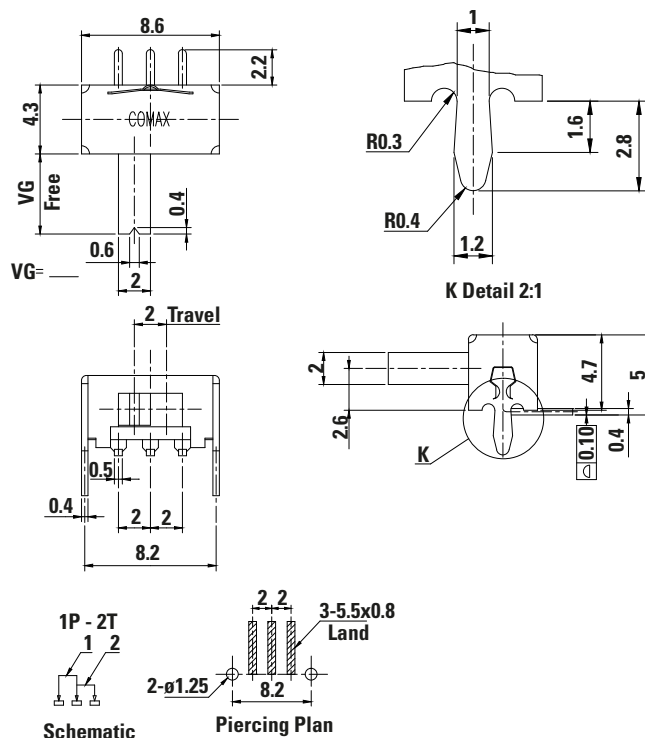
SK Series

Miniature Slide Switches - Side Knob



Dimensions 2mm Travel

SK-12D07-VG 4 NS PA LT IP2T Non-Shorting 4mm Knob (VG)



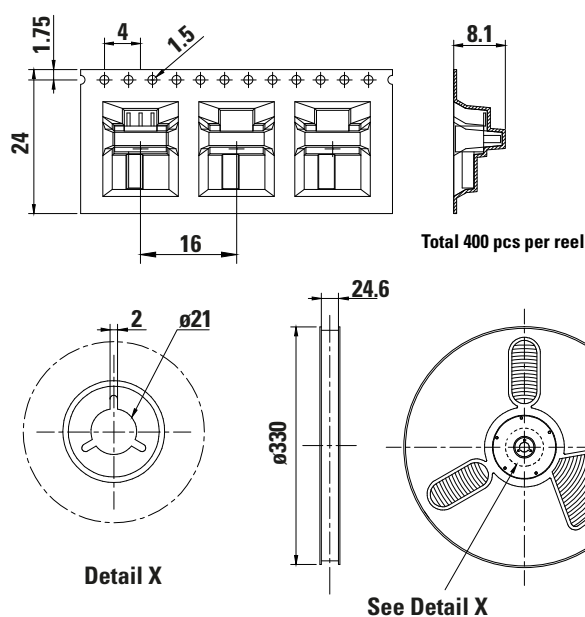
Specifications

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 ± 0.98N)
Travel	2 ± 0.3 mm
Operating Temperature	-20°C to 70°C

Materials

Knob	PA
Frame	SPCC
Contact	Silver clad
Terminal	Silver plated
Packaging	Tape & Reel

Tape and Reel

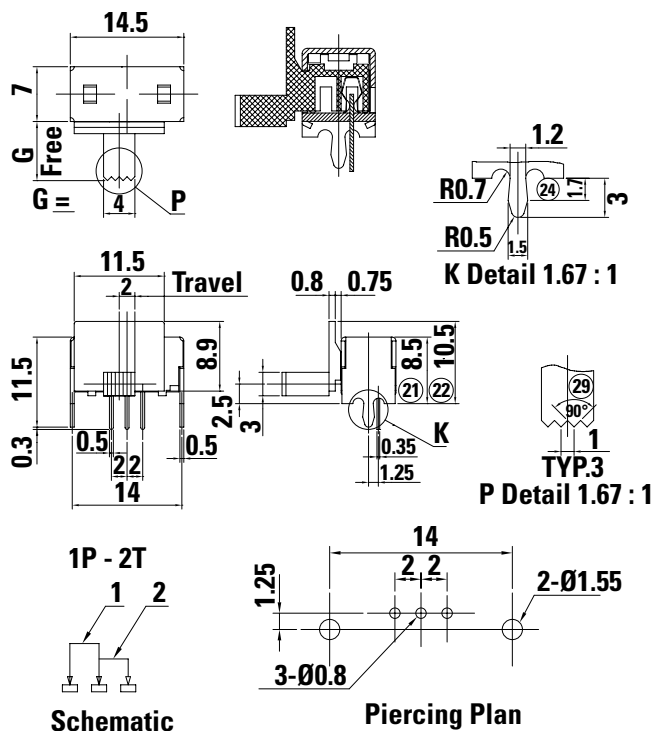


SK Series

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



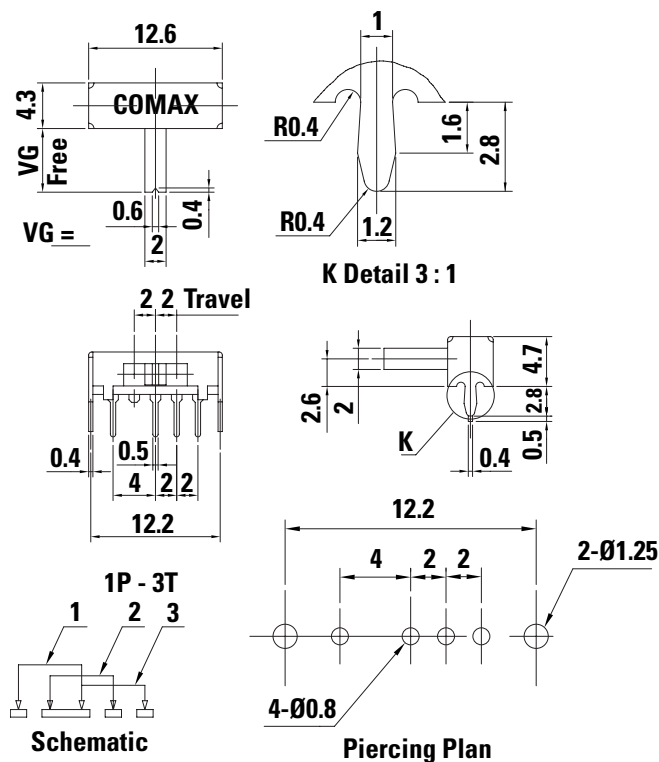
Specifications

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 ± 0.98N)
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

SK-13D16-VG 5 PA 1P3T 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 (1.96 ± 0.98N)
Travel	2 ± 0.3 mm
Operating Temperature	-20°C to 70°C

Materials

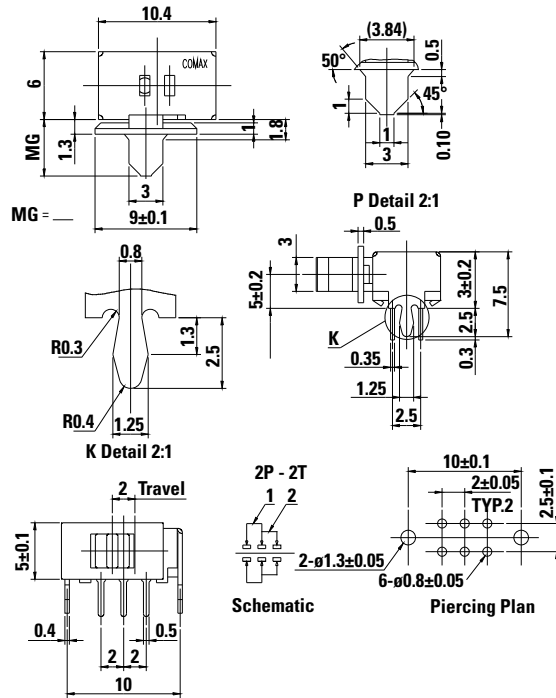
Knob	PA
Frame	SPCC
Contact	Silver clad
Terminal	Silver plated

SK Series

Miniature Slide Switches - Side Knob



SK-22D01-MG 5 NS DPDT Non-Shorting 5mm Knob



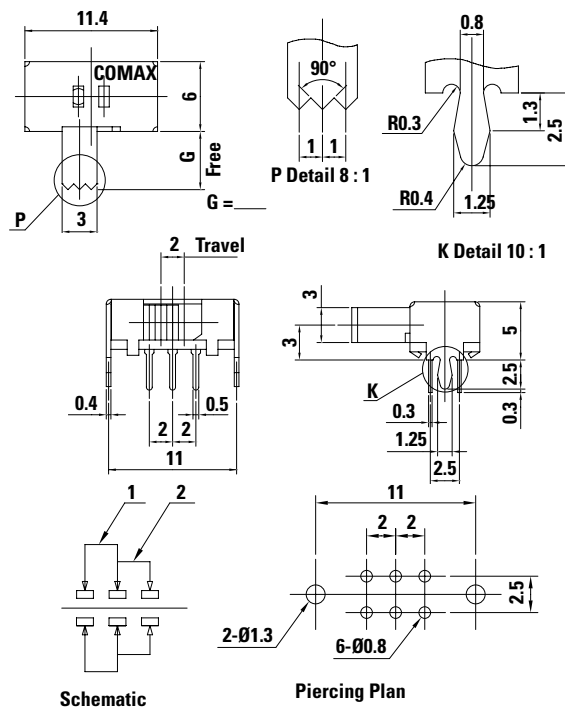
Specifications

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 ± 0.98N)
Travel	2 ± 0.3 mm
Operating Temperature	-20°C to 70°C

Materials

Knob	POM
Frame	SPCC
Contact	Silver clad
Terminal	Silver plated

SK-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 ± 0.98N)
Travel	2 ± 0.3 mm
Operating Temperature	-20°C to 70°C

Materials

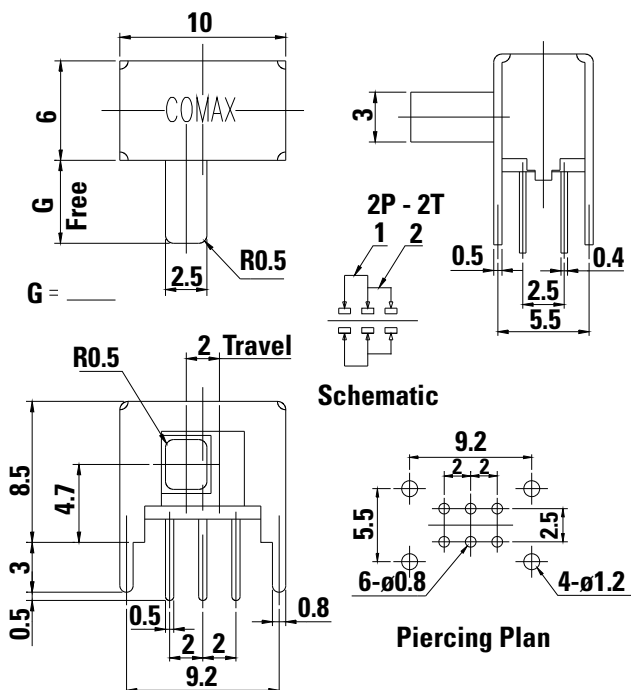
Knob	POM
Frame	SPCC
Contact	Silver clad
Terminal	Silver plated

SK Series

Miniature Slide Switches - Side Knob



SK-22D21-G 5 NS DPDT Non-Shorting 5mm Knob



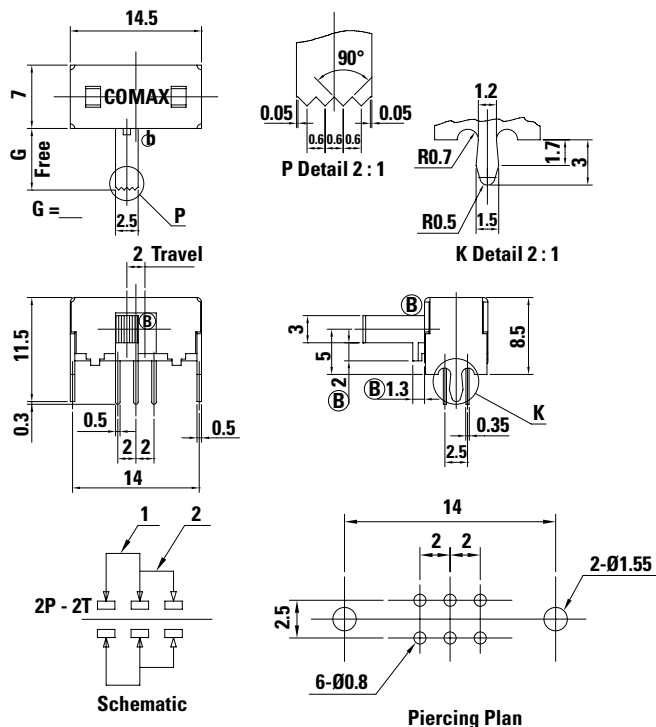
Specifications

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	300 ± 100 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-22D28-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	200 ± 100 gf (1.96 ± 0.98N)
Travel	2 ± 0.3 mm
Operating Temperature	-20°C to 70°C

Materials

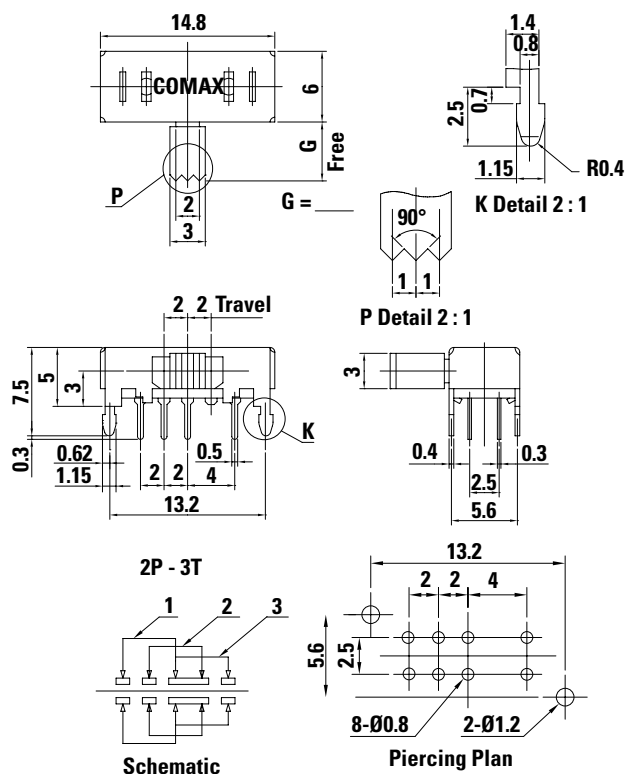
Knob	POM
Frame	SPCC
Contact	Silver clad
Terminal	Silver plated

SK Series

Miniature Slide Switches - Side Knob



SK-23D05-G 5 2P3T 5mm Knob



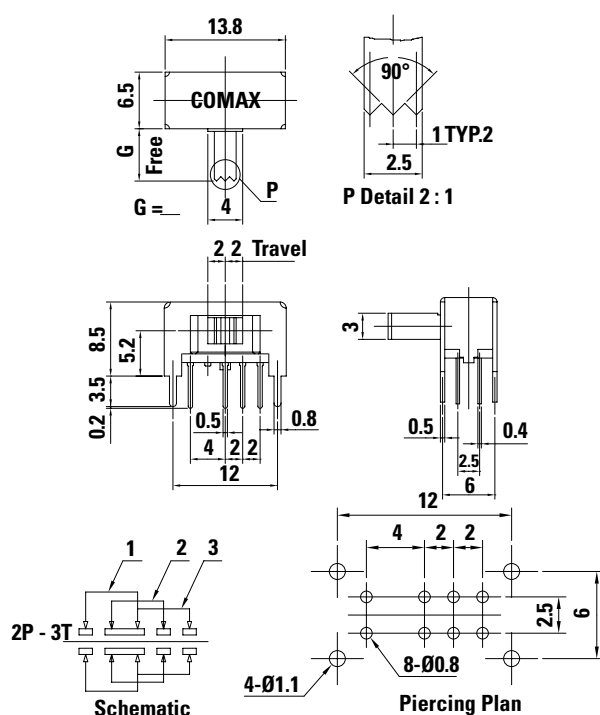
Specifications

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 ± 150 gf (2.45 ± 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-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

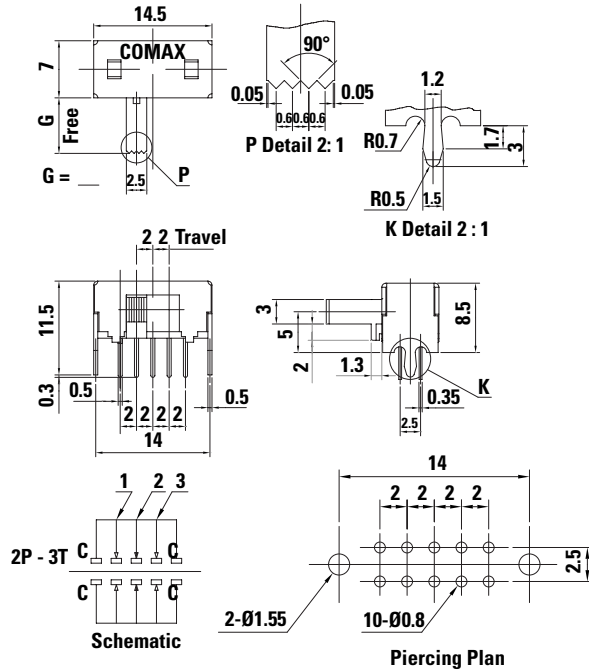
Knob	POM
Frame	SPCC
Contact	Silver clad
Terminal	Silver plated

SK Series

Miniature Slide Switches - Side Knob



SK-23D28-G 6 NS 2P3T Non-Shorting 6mm Knob



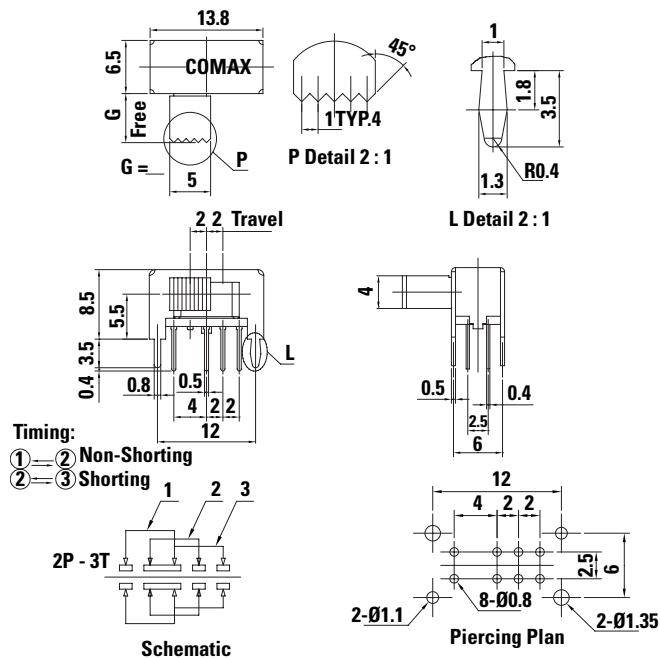
Specifications

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-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 ± 150 gf (1.96 ± 1.47N) 300 ± 150 gf (2.94 ± 1.47N)
Travel	2 ± 0.3 mm
Operating Temperature	-20°C to 70°C

Materials

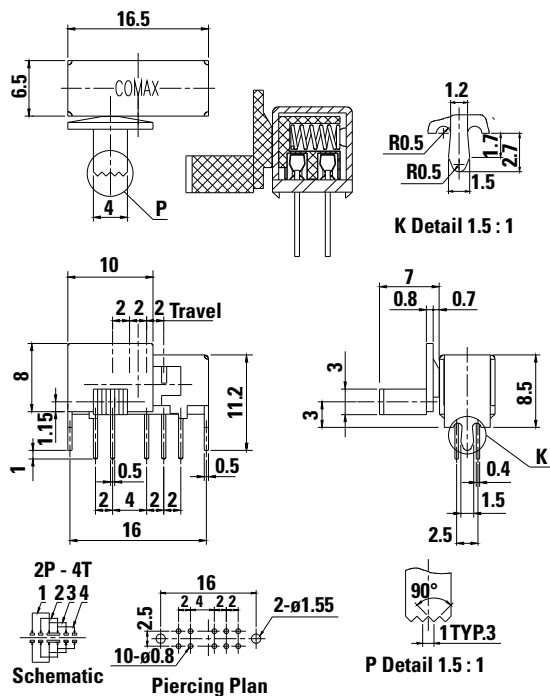
Knob	POM
Frame	SPCC
Contact	Silver clad
Terminal	Silver plated

SK Series

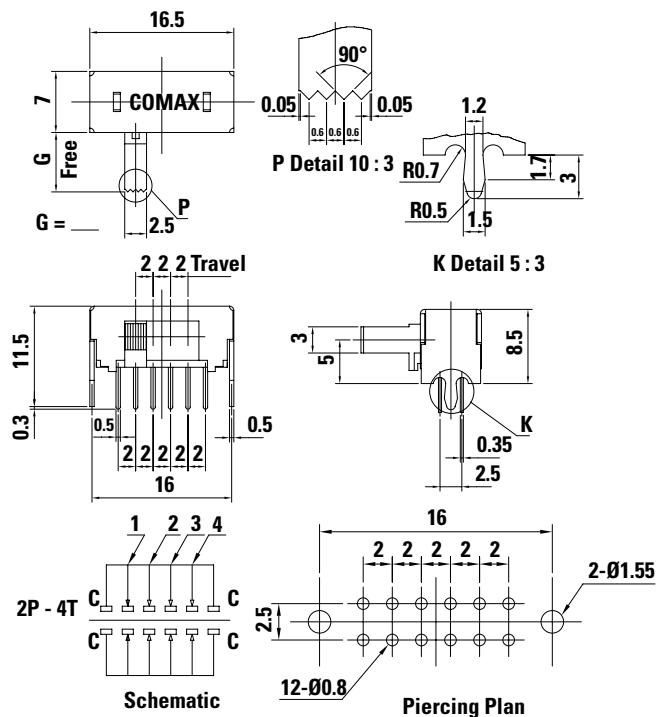
Miniature Slide Switches - Side Knob



SK-24D24-CV 7 GY 2P3T 7mm Knob



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 ± 0.98N) 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

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) 300 ± 150 gf (2.94 ± 1.47N)
Travel	2 ± 0.3 mm
Operating Temperature	-20°C to 70°C

Materials

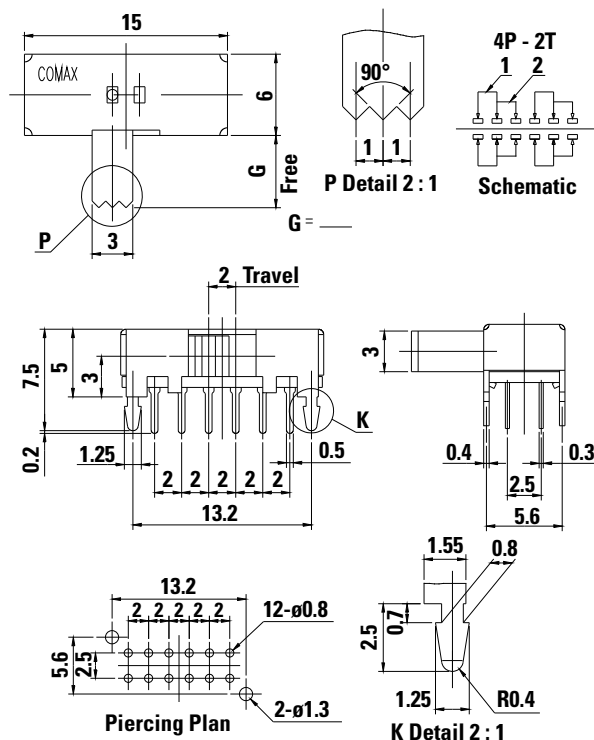
Knob	POM
Frame	SPCC
Contact	Silver clad
Terminal	Silver plated

SK Series

Miniature Slide Switches - Side Knob



SK-42D05-G 6 NS 4P2T Non-Shorting 6mm Knob



Specifications

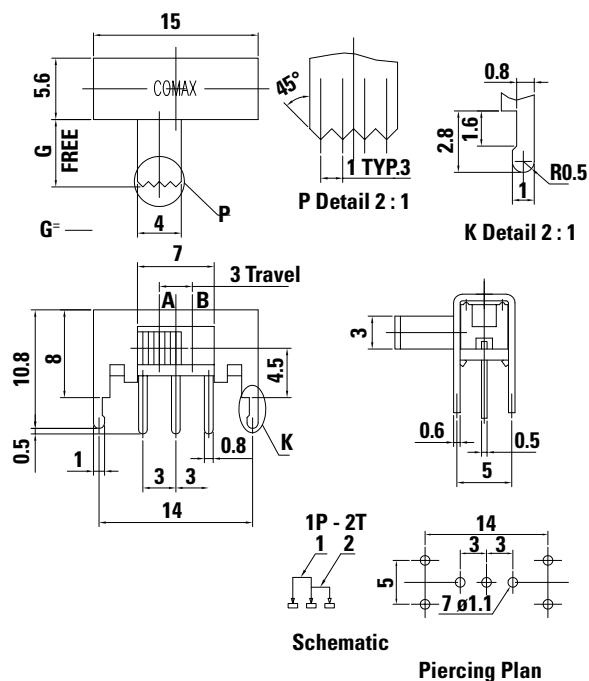
Contact Rating	0.3A @ 30 VDC
Initial Contact Resistance	30 m ohms max.
Insulation Resistance	100 M ohms min.
Dielectric Strength	500 V AC (50-60 Hz) between open terminals and between the frame and terminal.
Operating Life	10,000 cycles with load
Operating Force	250 ± 100 gf (2.45 ± 0.98N)
Travel	2 ± 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

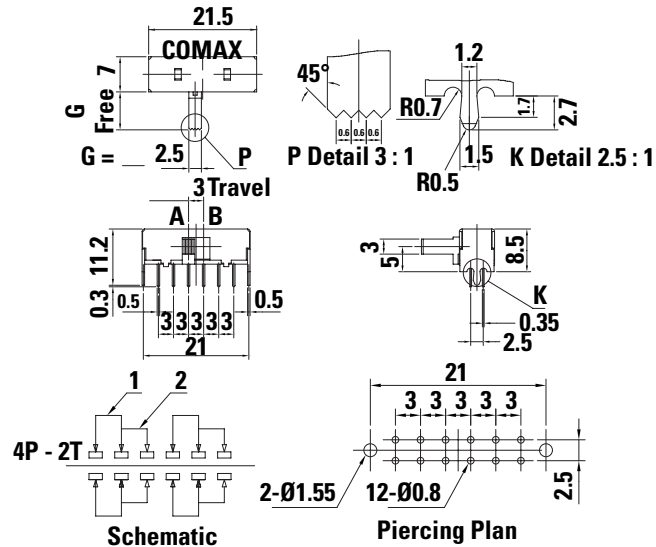
Knob	PBT
Frame	SPCC
Contact	Silver clad
Terminal	Silver plated

SK Series

Miniature Slide Switches - Side Knob



SK-42F28-G 6 NS 2P4T Non-Shorting 6mm Knob



Specifications

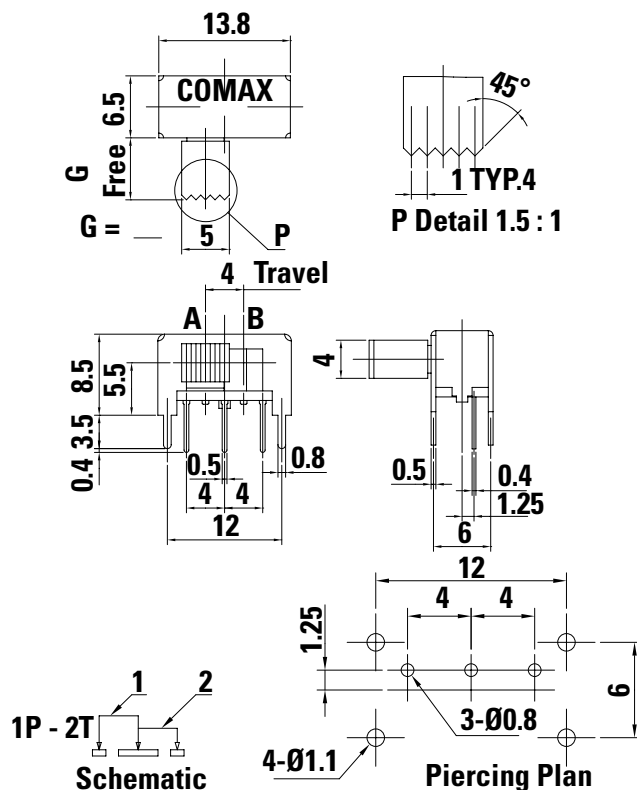
Contact Rating	0.3A @ 30 VDC
Initial Contact Resistance	30 m ohms max.
Insulation Resistance	100 M ohms min.
Dielectric Strength	500 V AC (50-60 Hz) between open terminals and between the frame and terminal.
Operating Life	10,000 cycles with load
Operating Force	200 ± 100 gf (1.96 ± 0.98N) 250 ± 100 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

4mm Travel

SK-12H04-G 6 NS PA 1P2T 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

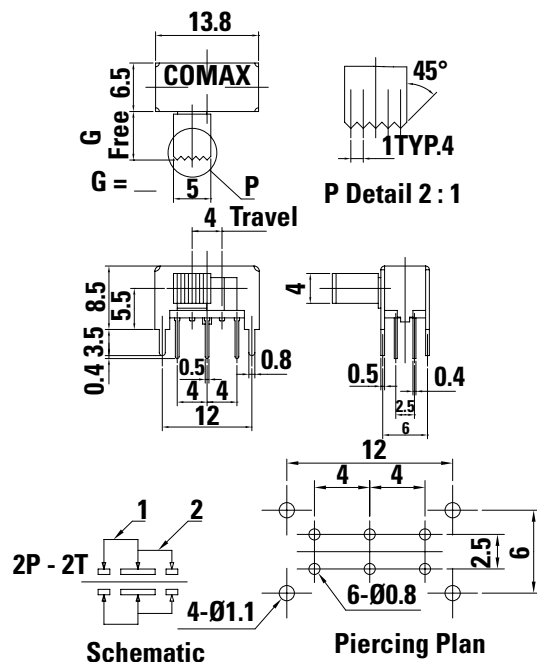
Knob	PA
Frame	SPCC
Contact	Silver clad
Terminal	Silver plated

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



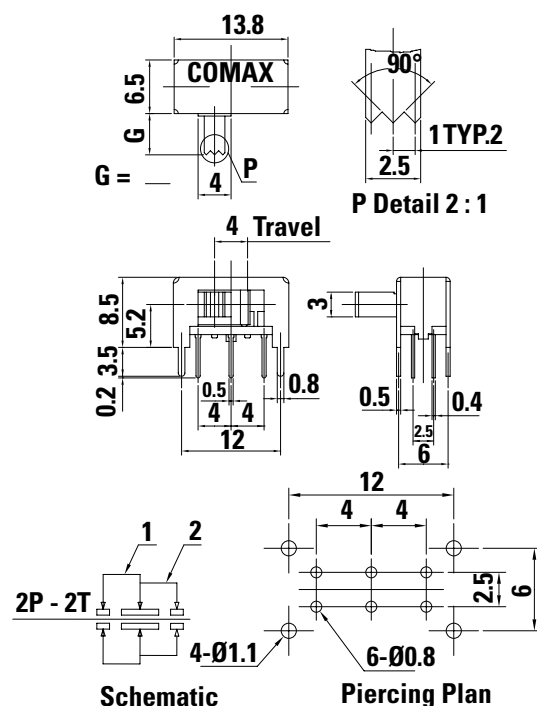
Specifications

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

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