

PS-12G Series Pushbutton Switches

**A****Pushbutton**

Features/Benefits

- Latching pushbutton
- Non-shorting with lock
- 5 mm travel
- SPDT

Typical Applications

- Automotive interior lighting
- Computer peripherals
- Appliances



How To Order

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

Part Number (Part Description)	Product Details
PS-12G01	SPDT, non-shorting with lock, 1A @ 14 VDC, white actuator
PS-12G03	SPDT, non-shorting with lock, 2.2A @ 14.5 VDC, black actuator



PART NUMBER	PACKAGING	SCHEMATIC
PS-12G01	200 pieces	

Dimensions

WIDTH X DEPTH: 14 x 16.8 mm

HEIGHT: 18 mm

Specifications

CONTACT RATING: 1A @ 14 VDC

INITIAL CONTACT RESISTANCE: 100 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: 20,000 cycles with load

OPERATING FORCE: 400 ± 100 gf

OPERATING POSITION: 3.6 ± 0.2 mm

TOTAL TRAVEL: 5 ± 0.3 mm

OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM (UL 94HB)

HOUSING: PBT (UL 94V-0)

COVER: PBT (UL 94V-0)

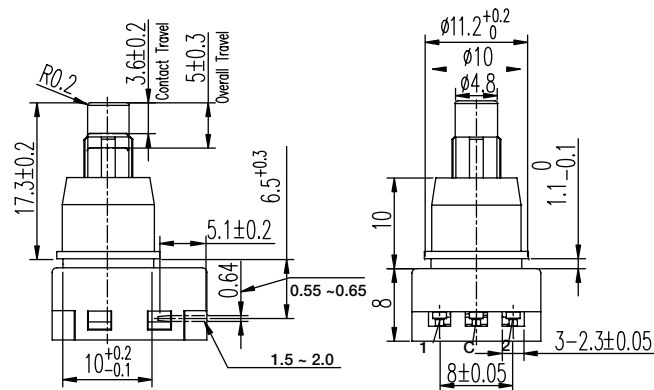
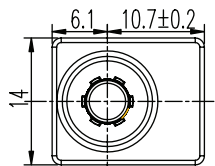
ROTOR: PBT (UL 94V-0)

SLIDER: POM (UL 94HB)

TERMINAL: Phosphor bronze, silver plated

SPRING: Stainless steel

CONTACT: Phosphor bronze, silver plated





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PART NUMBER	PACKAGING	SCHEMATIC
PS-12G03	200 pieces	

Dimensions

WIDTH X DEPTH: 14 x 16.8 mm

HEIGHT: 18.3 mm

Specifications

CONTACT RATING: 2.2A @ 14.5 VDC

INITIAL CONTACT RESISTANCE: 50 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: 20,000 cycles with load

OPERATING FORCE: 650 ± 300 gf

OPERATING POSITION: 4.00 ± 0.2 mm

TOTAL TRAVEL: 4.5 ± 0.3 mm

OPERATING TEMPERATURE: -40°C to 85°C

Materials

KNOB: POM (UL 94HB)

HOUSING: PBT & PA (UL 94V-0)

COVER: PBT (UL 94V-0)

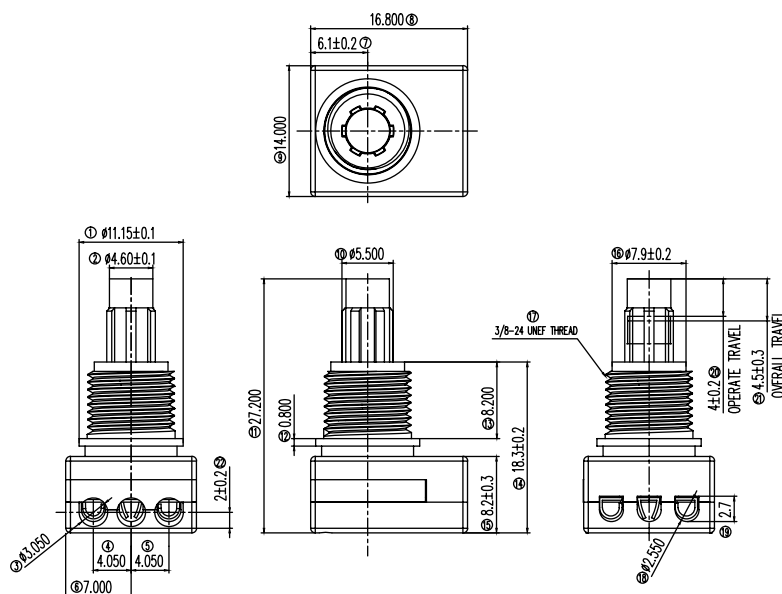
ROTOR: PBT (UL 94V-0)

SLIDER: POM (UL 94HB)

TERMINAL: Brass, silver plated

SPRING: Stainless steel

CONTACT: Phosphor bronze, silver plated



TYCO .062 Commercial Pin
and Socket Connector
PT# 770983-1

PS-22 Series Subminiature Pushbutton Switches



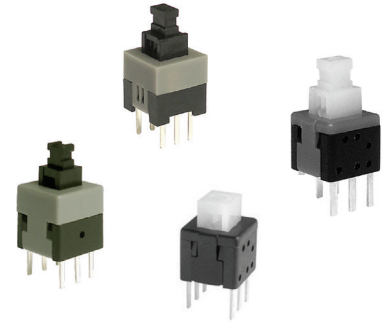
A
Pushbutton

Features/Benefits

- Compact miniature push switch
- Momentary or latching options
- Shorting or non-shorting
- DPDT

Typical Applications

- Industrial
- Automotive
- Audio and visual equipment



How To Order

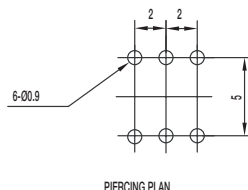
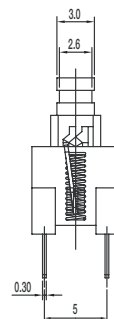
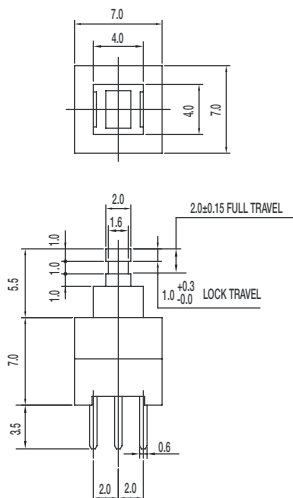
Part number list is shown below. For individual part details, please refer to the following pages.

Part Number (Part Description)	Product Details
PS-2203-L NS PA	DPDT, non-shorting, lock, dim: 7.0*7.0*12.5 mm
PS-2203-F NS PA	DPDT, non-shorting, mom, dim: 7.0*7.0*12.5 mm
PS-2206-L NS	DPDT, non-shorting, lock, dim: 8.0*8.0*12.5 mm
PS-2206-F NS	DPDT, non-shorting, mom, dim: 8.0*8.0*12.5 mm

Part Number (Part Description)	Product Details
PS-2214-L NS PA	DPDT, non-shorting, lock, dim: 5.8*5.8*7.5 mm
PS-2214-F NS PA	DPDT, non-shorting, mom, dim: 5.8*5.8*7.5 mm
PS-221605-L NS	DPDT, non-shorting, lock, dim: 5.8*5.8*10.0 mm



PART NUMBER	PACKAGING	SCHEMATIC
PS-2203-L NS PA	1,000 pieces	
PS-2203-F NS PA	1,000 pieces	



Dimensions

WIDTH X DEPTH: 7.0 x 7.0 mm

HEIGHT: 12.5 mm

Specifications

CONTACT RATING: 0.1A @ 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)

LOCK TRAVEL: 1 mm

TOTAL TRAVEL: 2 mm

OPERATING TEMPERATURE: -20°C to 70°C

Materials

KNOB: POM Black

HOUSING: PA Black

COVER: POM Grey (latch) / White (Mom)

TERMINAL: Brass, silver plated

CONTACT CLIP: Phosphor bronze., silver plated

SPRING: Stainless steel

HOOK LOCK: Stainless steel (latch)



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PART NUMBER	PACKAGING	SCHEMATIC
PS-221605-L NS	1,000 pieces	

Dimensions

WIDTH X DEPTH: 5.8 x 5.8 mm

HEIGHT: 10 mm

Specifications

CONTACT RATING: 0.1A @ 30 VDC / 2A @ 2 VDC

INITIAL CONTACT RESISTANCE: 80 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 ± 50 gf (1.47 ± 0.49N)

LOCK TRAVEL: 1.3 mm

TOTAL TRAVEL: 2.1 mm

OPERATING TEMPERATURE: -20°C to 70°C

Materials

Knob: POM Natural

HOUSING: PA Black

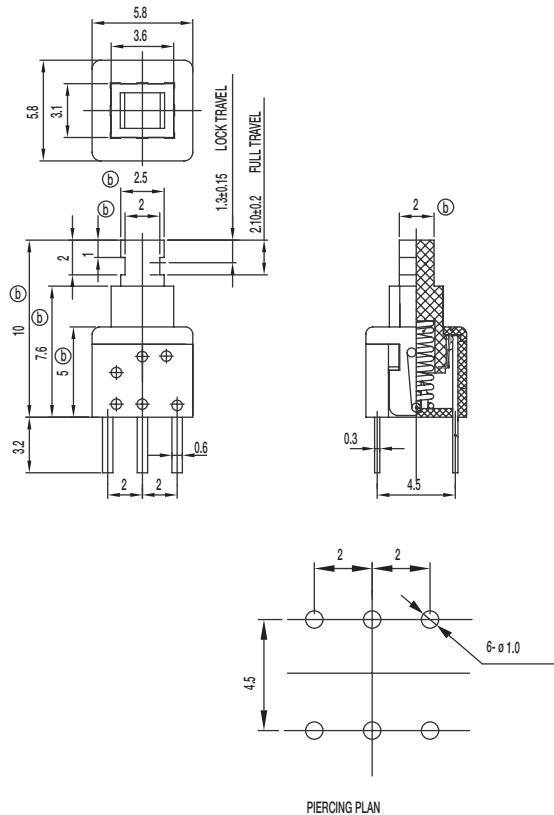
COVER: PC Grey

TERMINAL: Bras, silver plated

CONTACT CLIP: Phosphor bronze, silver clad

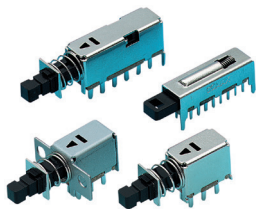
SPRING: Stainless steel

HOOK LOCK: Stainless steel (latch)





PS Series Miniature Pushbutton Switches



Features/Benefits

- Miniature size
- Momentary or latching options
- Broad range of products

Typical Applications

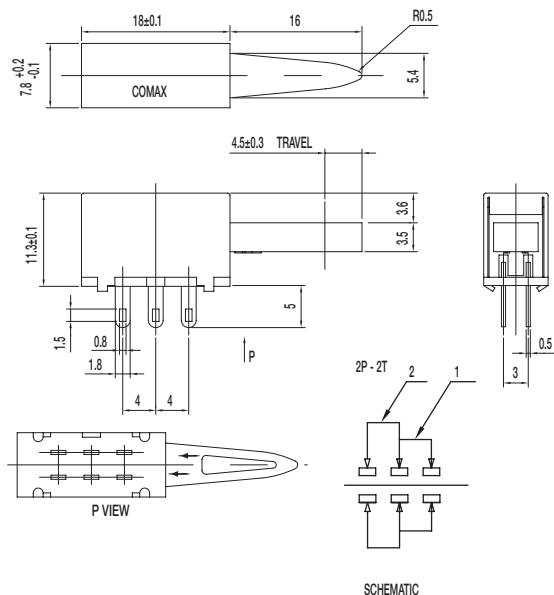
- Industrial
- Automotive
- Audio and visual equipment
- Telecommunications

How To Order

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

Part Number (Part Description)	Product Details
PS-22I05	DPDT, non-shorting, RT angle with metal frame

PS-22I05 DPDT NON-SHORTING



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: 400 ± 150 gf (3.92 ± 1.47N)

TOTAL TRAVEL: 4.5 ± 0.3 mm

OPERATING TEMPERATURE: -20°C to 70°C

Materials

FRAME: SECC

KNOB: POM (UL 94HB)

CONTACT PLATE: Silver clad

SPRING: SUS

TERMINAL: Silver plated

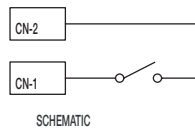
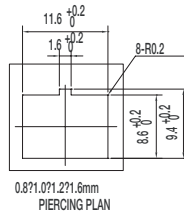
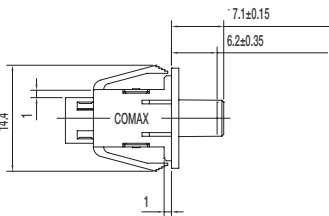
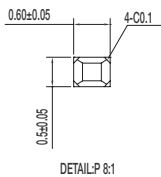
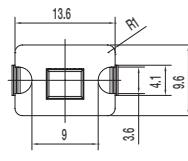
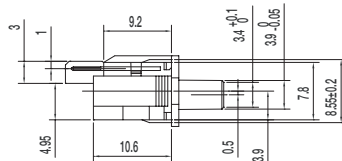
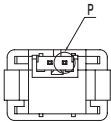
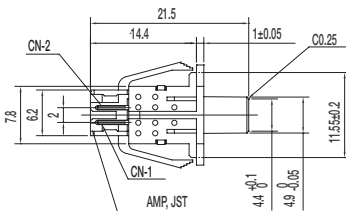


How To Order

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

Part Number (Part Description)	Product Details
PS-12C02-F NS	SPST non-shorting, mom
PS-32C02-F NS	1P3T non-shorting, mom, pitch: 7.2 mm
PS-42C02-F NS	1P4T non-shorting, mom, pitch: 7.2 mm

PS-12C02-F NS SPST NON-SHORTING



Specifications

CONTACT RATING: 100 μ A @ 3 VDC min. / 10mA @ 5 VDC max

INITIAL CONTACT RESISTANCE: 100 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between open terminals and between the frame and terminal.

OPERATING LIFE: 100,000 cycles with load

OPERATING FORCE: 50 $\pm$ 15 gf (0.49 $\pm$ 0.147N)

PRE-TRAVEL: 6.20 $\pm$ 0.35 mm

OPERATING TEMPERATURE: -40°C to 85°C

Materials

KNOB: POM (UL 94HB)

COVER: PA (UL 94V-0)

HOUSING: PA (UL 94V-0)

SPRING: SUS

TERMINAL: Silver plated

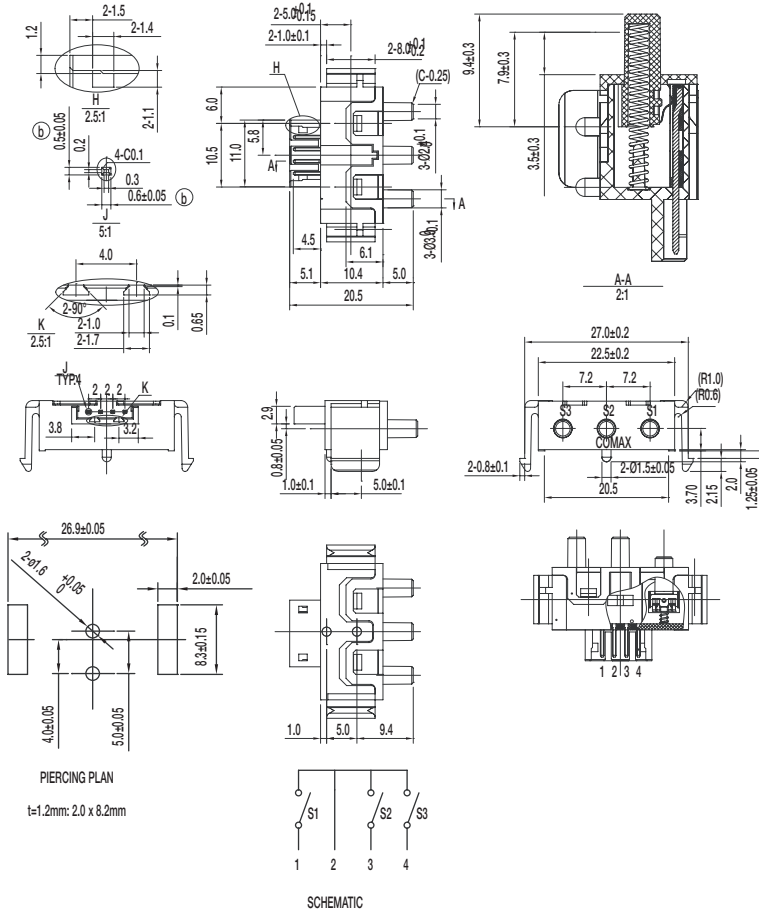


PS Series Miniature Pushbutton Switches

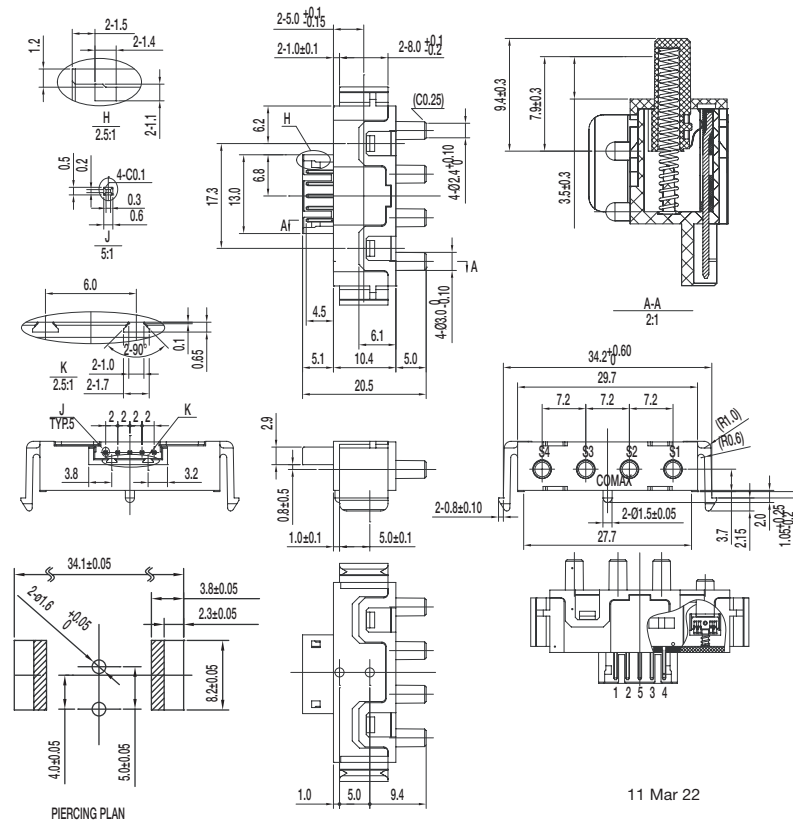
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PS-32C02-F NS 1P3T NON-SHORTING



PS-42C02-F NS 1P4T NON-SHORTING



Specifications

CONTACT RATING: 100 μ A @ 3 VDC min. /
10mA @ 5 VDC max

INITIAL CONTACT RESISTANCE: 100 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 250 V AC (50-60 Hz)
between open terminals and between the
frame and terminal.

OPERATING LIFE: 100,000 cycles with load

OPERATING FORCE: 80 $\pm$ 20 gf (0.784 $\pm$ 0.196N)

PRE-TRAVEL: 1.5 $\pm$ 0.3 mm

OVER-TRAVEL: 3.5 $\pm$ 0.3 mm

TOTAL TRAVEL: 5 $\pm$ 0.3 mm

OPERATING TEMPERATURE: -20°C to 65°C

Materials

KNOB: POM (UL 94HB)

COVER: PA (UL 94V-0)

HOUSING: PA (UL 94V-0)

SPRING: SUS

TERMINAL: Silver plated

Specifications

CONTACT RATING: 100 μ A @ 3 VDC min. /
10mA @ 5 VDC max

INITIAL CONTACT RESISTANCE: 100 m ohms max.

INSULATION RESISTANCE: 100 M ohms min.

DIELECTRIC STRENGTH: 250 V AC (50-60 Hz) between
open terminals and between the frame and terminal.

OPERATING LIFE: 100,000 cycles with load

OPERATING FORCE: 80 $\pm$ 20 gf (0.784 $\pm$ 0.196N)

PRE-TRAVEL: 1.5 $\pm$ 0.3 mm

OVER-TRAVEL: 3.5 $\pm$ 0.3 mm

TOTAL TRAVEL: 5 $\pm$ 0.3 mm

OPERATING TEMPERATURE: -20°C to 65°C

Materials

KNOB: POM (UL 94HB)

COVER: PA (UL 94V-0)

HOUSING: PA (UL 94V-0)

SPRING: SUS

TERMINAL: Silver plated

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Authorized Distributor

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[PS22F04G13NSJ](#) [PS22F42R5NS](#) [PS92D05NS](#) [PS12F92F5NS](#) [PS22F43A3.3NSA](#) [PS22F13A3.3NSLV1](#)
[PS82D03NS](#) [PS22E04G13S](#) [PS22F37G13NS](#) [PS22E85G13NS](#) [PS42D13K](#) [PS2203LNSLT](#) [PS12E02G13NS](#)
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[PS12F91R4NSB](#) [PS22F21A3.3NSJ](#) [PS22F31A3.3NS](#) [PS22F04G13NSA](#) [PS12F51AF5NS](#) [PS42E04G13S](#)
[PS12F92F7.3NSQ](#) [PS92D05S](#) [PS12F96R4.5NS](#) [PS22F13A3.3NSA](#) [PS22E04G13NSU](#) [PS22E08G10NSH](#)
[PS22F23A3.3NSFR](#) [PS221605FNS](#) [PS12D08R4NS](#) [PS12F92F6NSNKB](#) [PS12F92RF3.4SBKB](#) [PS62D15K1](#)
[PS12F92R4.5SBK](#) [PS22I05](#) [PS62D15NS](#) [PS22E07G10S](#) [PS22E85PG9.5NS](#) [PS62D13NS](#) [PS22F04G13NSFRH](#)
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