NEW!

DS Series
Detect Switch



Features/Benefits

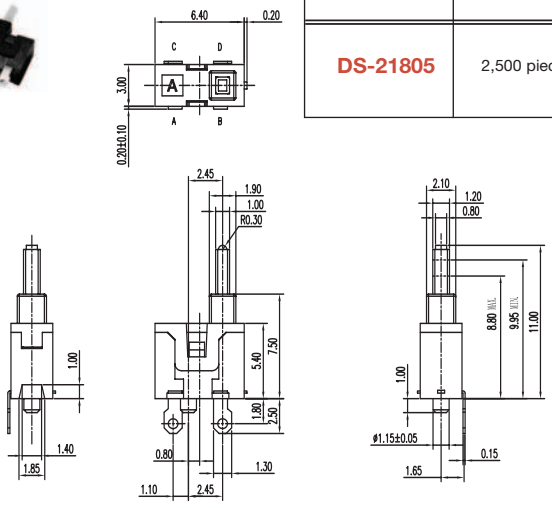
- *Compact design*
- *Low actuation force*
- *Detect mechanical movement*
- *Left and right options*
- *Right angle options*

Typical Applications

- *Computer peripherals*
- *Office equipment*
- *Consumer electronics*
- *Appliances*
- *Audio and visual equipment*



PART NUMBER	PACKAGING
DS-21805	2,500 pieces





SCHEMATIC

Specifications

CONTACT ARRANGEMENT: SPDT
CONTACT RATING: 5mA @ 5 VDC
OPERATING LIFE: 100,000 cycles
OPERATING FORCE: 36 gf
TOTAL TRAVEL: 2.20 mm
INITIAL CONTACT RESISTANCE: 1 Ω max.
INSULATION RESISTANCE: 100 M Ω min. @ 100 VDC 60 sec.
DIELECTRIC STRENGTH: 100 V AC (50-60Hz) 60 sec.
OPERATING TEMPERATURE: –20°C to +70°C.

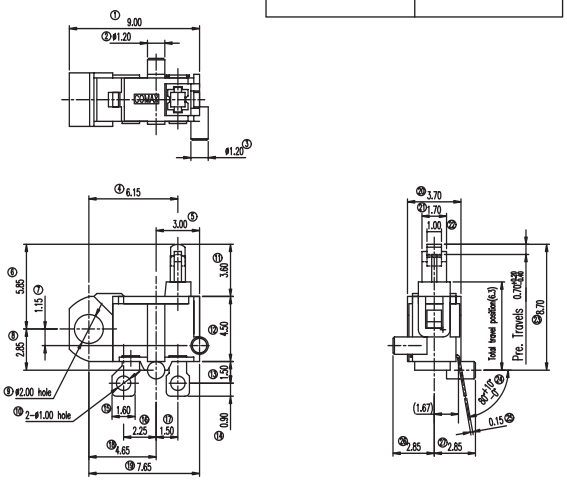
Materials

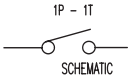
KNOB: POM
COVER: PA46
SPRING: Silver plated
HOUSING: PPS
TERMINAL: Silver plated

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

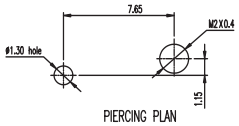


PART NUMBER	PACKAGING
DS-203A	2,500 pieces





1P – 1T
SCHEMATIC



PIERCING PLAN

Specifications

CONTACT ARRANGEMENT: SPST
CONTACT RATING: 100mA @ 30 VDC
OPERATING LIFE: 50,000 cycles
OPERATING FORCE: 36 gf
PRE TRAVEL: 0.70 +0.20/-0.40 mm
INITIAL CONTACT RESISTANCE: 1 Ω max.
INSULATION RESISTANCE: 50 M Ω min. @ 250 VDC 60 sec.
DIELECTRIC STRENGTH: 250 V AC (50-60Hz) 60 sec.
OPERATING TEMPERATURE: –20°C to +70°C.

Materials

KNOB: POM
COVER: PA
SPRING: Gold plated
HOUSING: PA
TERMINAL: Silver plated

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

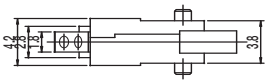
Dimensions are shown: mm
Specifications and dimensions subject to change

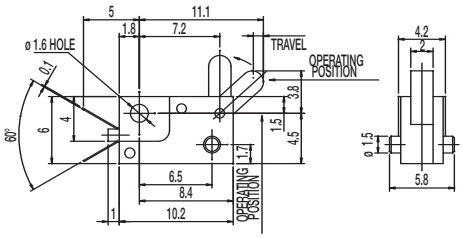
DS Series
Detect Switch

NEW!



PART NUMBER	PACKAGING
DS-040-02	1,000 pieces







Specifications

CONTACT ARRANGEMENT: SPST, NO
CONTACT RATING: 0.1A @ 16 VDC
OPERATING LIFE: 20,000 cycles
OPERATING FORCE: 30 ± 15 gf
TRAVEL: 0.90 ± 0.20 mm
INITIAL CONTACT RESISTANCE: 40 m Ω max.
INSULATION RESISTANCE: 100 M Ω min. @ 250 VDC 60 sec.
DIELECTRIC STRENGTH: 250 V AC (50-60Hz) 60 sec.
OPERATING TEMPERATURE: –20°C to +70°C.

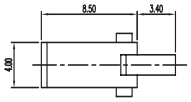
Materials

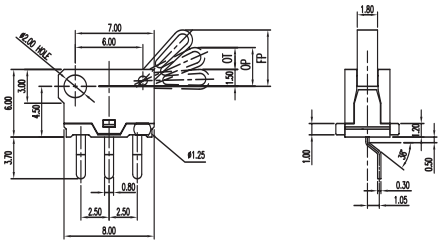
LEVER: POM
CASE: PBT
COVER: PC

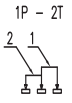
NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

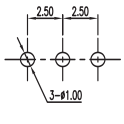


PART NUMBER	PACKAGING
DS-080	1,000 pieces









Specifications

CONTACT ARRANGEMENT: SPDT
CONTACT RATING: 100mA @ 30 VDC
OPERATING LIFE: 20,000 cycles
OPERATING FORCE: 30 ± 20 gf
OVER TRAVEL: 2.0 ± 0.40 mm
INITIAL CONTACT RESISTANCE: 200 m Ω max.
INSULATION RESISTANCE: 10 M Ω min. @ 250 VDC 60 sec.
DIELECTRIC STRENGTH: 250 V AC (50-60Hz) 60 sec.
OPERATING TEMPERATURE: –20°C to +70°C.

Materials

KNOB: POM
COVER: PA46
SLIDER: PBT
HOUSING: PA46
TERMINAL: Silver plated

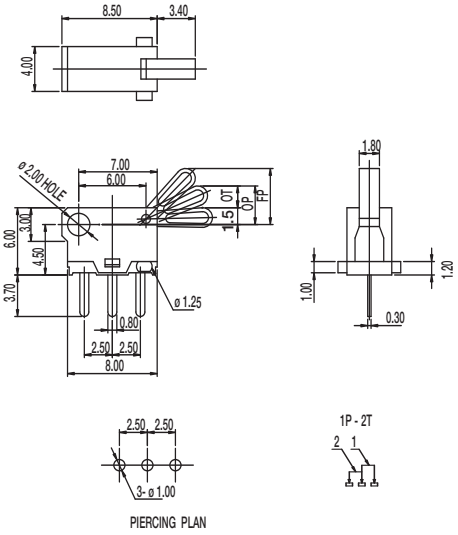
NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

NEW!

DS Series
Detect Switch



PART NUMBER	PACKAGING
DS-080-CPA	1,000 pieces



Specifications

CONTACT ARRANGEMENT: SPDT
CONTACT RATING: 100mA @ 30 VDC
OPERATING LIFE: 20,000 cycles
OPERATING FORCE: 30 ± 20 gf
OVER TRAVEL: 2.0 ± 0.40 mm
INITIAL CONTACT RESISTANCE: 200 m Ω max.
INSULATION RESISTANCE: 10 M Ω min. @ 250 VDC 60 sec.
DIELECTRIC STRENGTH: 250 V AC (50-60Hz) 60 sec.
OPERATING TEMPERATURE: –20°C to +70°C.

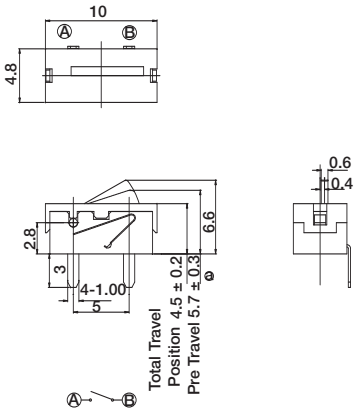
Materials

KNOB: POM
COVER: PA46
SLIDER: PBT
HOUSING: PA46
TERMINAL: Silver plated

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



PART NUMBER	PACKAGING
DS-09005-02 BK	500 pieces



Specifications

CONTACT ARRANGEMENT: SPST
CONTACT RATING: 1mA @ 5 VDC
OPERATING LIFE: 100,000 cycles
OPERATING FORCE: 50 gf max.
TOTAL TRAVEL: 4.5±0.2 mm
INITIAL CONTACT RESISTANCE: 500 m Ω max.
INSULATION RESISTANCE: 100 M Ω min. @ 500 VDC 60 sec.
DIELECTRIC STRENGTH: 500 V AC (50-60Hz) 60 sec.
OPERATING TEMPERATURE: –20°C to +70°C.

Materials

LEVER: POM
COVER: PA
HOUSING: PA
TERMINAL: Silver plated

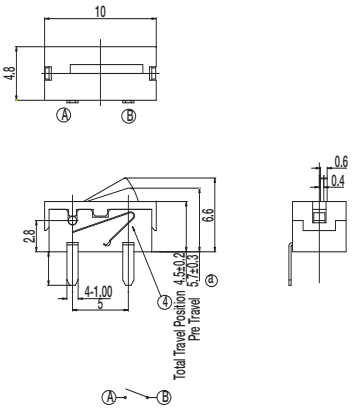
NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

DS Series
Detect Switch

NEW!



PART NUMBER	PACKAGING
DS-09005-02 RP	500 pieces



Specifications

CONTACT ARRANGEMENT: SPST
CONTACT RATING: 1mA @ 5 VDC
OPERATING LIFE: 100,000 cycles
OPERATING FORCE: 50 gf max.
TOTAL TRAVEL: 4.5±0.2 mm
INITIAL CONTACT RESISTANCE: 500 m Ω max.
INSULATION RESISTANCE: 100 M Ω min. @ 500 VDC 60 sec.
DIELECTRIC STRENGTH: 500 V AC (50-60Hz) 60 sec.
OPERATING TEMPERATURE: –20ºC to +70ºC.

Materials

LEVER: POM
COVER: PA
HOUSING: PA
TERMINAL: Silver plated

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