

**NEW!**

# DS Series Detect Switch

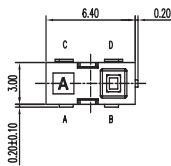


### Features/Benefits

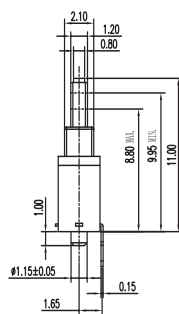
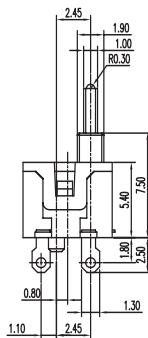
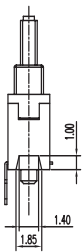
- Compact design
- Low actuation force
- Detect mechanical movement
- Left and right options
- Right angle options

### Typical Applications

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



PART NUMBER	PACKAGING
<b>DS-21805</b>	2,500 pieces



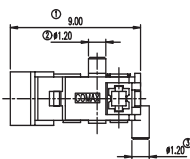
### Specifications

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.

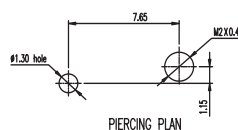
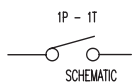
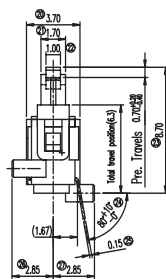
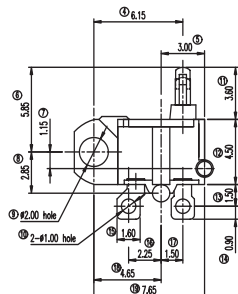
### Materials

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
<b>DS-203A</b>	2,500 pieces



### 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.



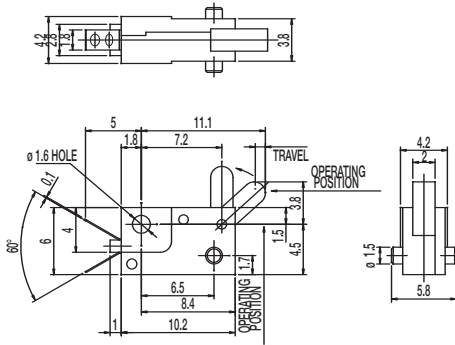
Dimensions are shown: mm  
 Specifications and dimensions subject to change

# DS Series Detect Switch

**NEW!**



PART NUMBER	PACKAGING
<b>DS-040-02</b>	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.

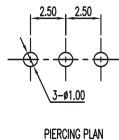
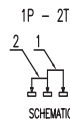
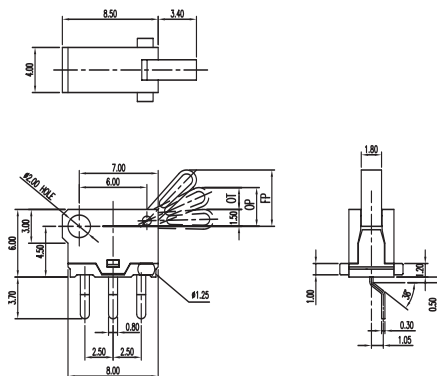
## Materials

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
<b>DS-080</b>	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.



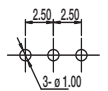
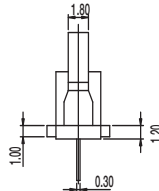
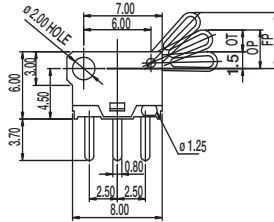
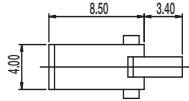
Dimensions are shown in mm  
 Specifications and dimensions subject to change

**NEW!**

# DS Series Detect Switch



PART NUMBER	PACKAGING
<b>DS-080-CPA</b>	1,000 pieces



PIERCING PLAN



## 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.

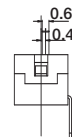
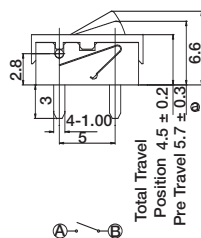
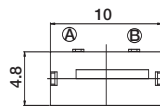
## Materials

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
<b>DS-09005-02 BK</b>	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.



Dimensions are shown: mm  
 Specifications and dimensions subject to change

# DS Series Detect Switch

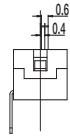
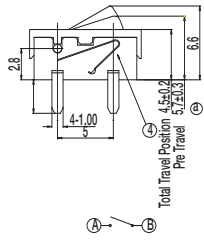
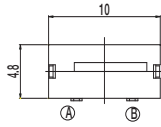
**NEW!**



PART NUMBER	PACKAGING
<b>DS-09005-02 RP</b>	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.



*Dimensions are shown: mm  
 Specifications and dimensions subject to change*