

# Power Switch 5A 250V AC Qualified Primary Input Voltage Selection Type SDKG Series



Primary voltage changeover switch type with a wide variety of mounting



Detector

Push

Slide

Rotary

Encoders

**Power**

Dual-in-line  
Package Type

TACT Switch™

**Custom-  
Products**

## Product Line

| Circuit arrangement | Rating     | Travel (mm) | Operating force | Mounting method     | Terminal configuration | Turn stopper | Marking variety | Minimum order unit(pcs.) | Product No. | Drawing No. |
|---------------------|------------|-------------|-----------------|---------------------|------------------------|--------------|-----------------|--------------------------|-------------|-------------|
| DPDT                | 5A 250V AC | 6           | 10 $\pm$ 10 N   | 3.2 hole            | Lead                   | Without      | With index      | 1,000                    | SDKGA41700  | 1           |
|                     |            |             |                 | Self-tap (For M2.6) | For PC board           | With         |                 |                          | SDKGA42200  | 2           |

## Note

Please place purchase orders per minimum order unit(integer).

Push  
Type

**Rocker  
Type**

Slide  
Type

Rotary  
Type

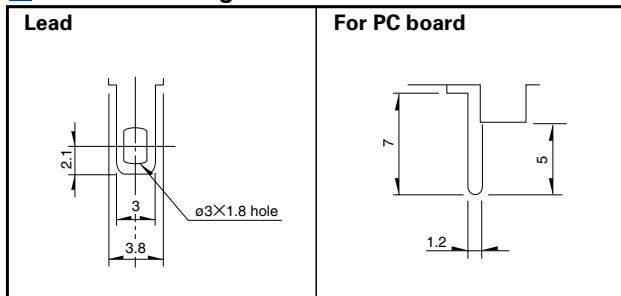
**Dimensions**

Unit:mm

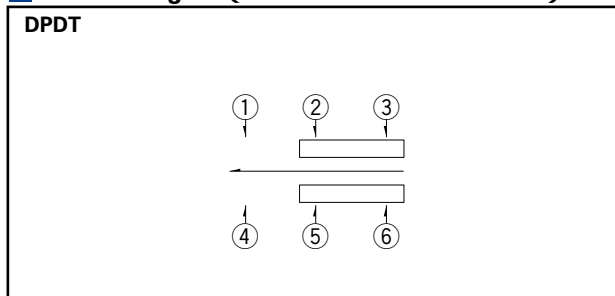
| No. | Style  |
|-----|--|
| 1   | <p><math>\phi 3.2</math> hole( Mounting part )</p> |
| 2   | <p>Self-tap hole( Mounting part )</p>              |

**Terminal Configuration**

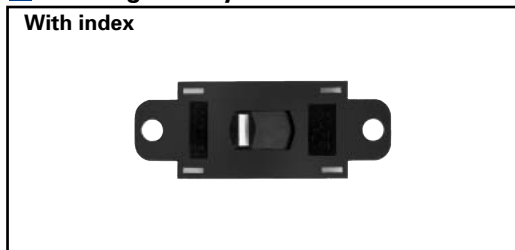
Unit:mm



**Circuit Diagram( Viewed from Direction A )**








**Marking Variety**



- Detector
- Push
- Slide
- Rotary
- Encoders
- Power**
- Dual-in-line Package Type
- TACT Switch™
- Custom-Products

- Push Type
- Rocker Type
- Slide Type**
- Rotary Type

## List of Varieties

| Items                     | Type                        | Slide   |   |   |   | Rotary  |                     |  |
|---------------------------|-----------------------------|---|---|---|---|---|---------------------|--|
|                           | Series                      | SDKG  | SDKH  | SDKP  | SDKT  | SDKZ  |                     |  |
| Detector                  | Photo                       |  |  |  |  |  |                     |  |
| Push                      |                             |   |   |   |   |   |                     |  |
| Slide                     | Travel (mm)                 | 6   |   |   | 2.2   | Full rotation   |                     |  |
| Rotary                    | Remark                      |   |   |   |   | With signal circuit   |                     |  |
| Encoders                  | Operating temperature range | -10 to +60  |   |   |   | -10 to +70  |                     |  |
| Power                     | Rating                      | 5A 250V AC  |   |   | 6A 125V AC  | PS:16(6)A 250V AC, 14(6)A 250V AC<br>DC:0.1A 12V DC                                 |                     |  |
| Dual-in-line Package Type | Electrical performance      | Contact resistance  | 50m max.  |   | 100m max.   |   | 10m max.            | 100m max.                              |
| TACT Switch™              |                             |   | 500M min. 500V DC   |   | 100M min. 500V DC   | 500M min. 500V DC   | 1,000M min. 500V DC | 1 max.                                 |
| Custom-Products           |                             | Insulation resistance   | 500M min. 500V DC   |   | 100M min. 500V DC   | 500M min. 500V DC   | 1,000M min. 500V DC | 500M min. 500V DC<br>100M min. 100V DC |
|                           | Voltage proof               | 2,000V AC for 1minute   |   |   | 1,000V AC for 1minute   | 2,000V AC for 1minute<br>100V AC for 1minute  |                     |  |
|                           | Mechanical performance      | Terminal strength   | 10N for 1minute   |   |   |   | 20N<br>5N           |  |
| Push Type                 |                             | Actuator strength   | Operating direction   |   | 50N   | 30N   | —                   |  |
| Rocker Type               |                             |   | Perpendicular direction   |   |   |   | 10N                 | 30N                                    |
| Slide Type                |                             | Resistance to soldering heat  | Manual soldering  |   | 350 ± 10 , 3 ± 0.5s   |   | 350 ± 10 , 3 ± 0.5s |  |
| Rotary Type               | Dip soldering               |   | 260 ± 5 , 10 ± 1s   |   |   |   |                     |  |
|                           | Durability                  | Operating life  | 100cycles   |   | 20,000cycles  | 10,000cycles<br>30,000cycles  |                     |  |
|                           |                             |   | Without load  |   | Load : As ratings   |   |                     |  |
|                           | Environmental performance   | Cold  | -20 ± 2 for 96h   |   |   | -40 ± 2 for 240h  |                     |  |
|                           |                             | Dry heat  | 85 ± 2 for 96h  |   |   | 85 ± 2 for 240h   |                     |  |
|                           |                             | Damp heat   | 40 ± 2 , 90 to 95%RH for 96h  |   |   | 40 ± 2 , 90 to 95%RH for 240h   |                     |  |
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