

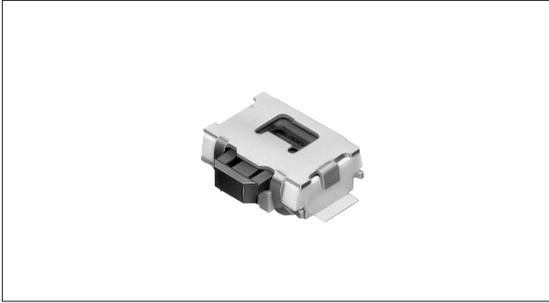
TACT Switch™ 1.5mm Height Sidepush™ (Surface Mount Type)

SKRE Series



Horizontal type with 3.9×3.55×1.5mm dimension.

- Detector
- Push
- Slide
- Rotary
- Encoders
- Power



- Dual-in-line Package Type
- TACT Switch™**
- Custom-Products

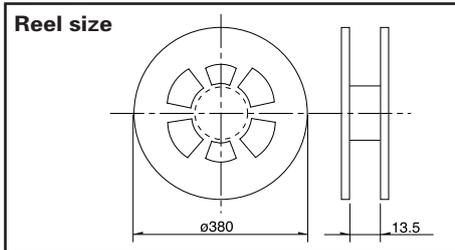
Product Line

| Product No. | Operating force | Operating direction | Travel (mm) | Rating (max.) | Rating (min.) | Operating life (5mA 5V DC) | Initial contact resistance | Guide bosses | Minimum order unit (pcs.) |
|-------------|-----------------|---------------------|-------------|----------------|---------------|----------------------------|----------------------------|--------------|---------------------------|
| SKRELHE010 | 1.57N | Horizontal | 0.2 | 50mA 12V DC | 10μA 1V DC | 100,000cycles | 100mΩ max. | Without | 5,000 |
| SKRELFE010 | 2.16N | | | | | | | With | |
| SKRELJE010 | 1.57N | | | | | | | | |
| SKRELGE010 | 2.16N | | | | | | | | |

Packing Specifications

Taping

Unit:mm



| Number of packages (pcs.) | | | Tape width (mm) | Export package measurements (mm) |
|---------------------------|---------------|------------------------|-----------------|----------------------------------|
| 1 reel | 1 case /Japan | 1 case /export packing | | |
| 5,000 | 50,000 | 50,000 | 12 | 401×401×214 |

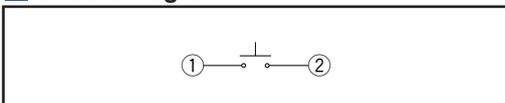
- Sharp Feeling
- Soft Feeling
- Snap-in Type
- Surface Mount Type
- Radial Type

Dimensions

Unit:mm

| Style | PC board mounting hole and land dimensions (Viewed from switch mounting face) |
|-------|---|
| | |

Circuit Diagram



Notes

1. Please place purchase orders per minimum order unit N (integer).
2. For φ330mm diameter reel requirements, please contact us.

Refer to P.334 for soldering conditions.

List of Varieties

Sharp Feeling Type

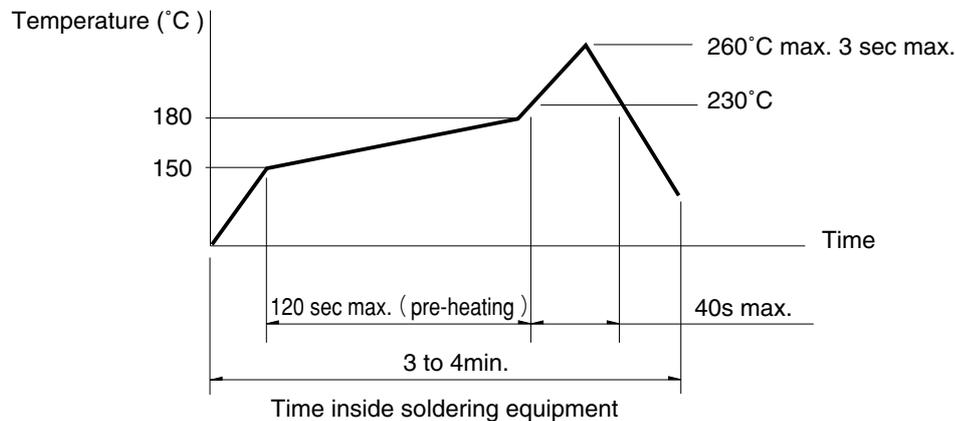
| Series | SKHU | SKSC | SKRE | SKRT | SKRV | SKRH | SKQU | SKRG | SKQK | SKQN | SKRC |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Detector | | | | | | | | | | | |
| Push | | | | | | | | | | | |
| Slide | | | | | | | | | | | |
| Rotary | | | | | | | | | | | |
| Encoders | | | | | | | | | | | |
| Power | | | | | | | | | | | |
| Dual-in-line Package Type | | | | | | | | | | | |
| TACT Switch™ | | | | | | | | | | | |
| Custom-Products | | | | | | | | | | | |
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Soldering Conditions

Condition for Reflow

Available for Surface Mount Type.

1. Heating method: Double heating method with infrared heater.
2. Temperature measurement: Thermocouple 0.1 to 0.2 ϕ CA (K) or CC (T) at solder joints (copper foil surface). A heat resistive tape should be used to fix thermocouple.
3. Temperature profile



Notes

1. The above temperature shall be measured of the top of switch. There are cases where the PC board's temperature greatly differs from that of the switch, depending on the material, size, thickness of PC boards and others. The above-stated conditions shall also apply to switch surface temperatures.
2. Soldering conditions differ depending on reflow soldering machines. Prior verification of soldering condition is highly recommended.

Conditions for Auto-dip

Available for Snap-in Type and Radial Type
(Except, SKHL, SKQJ, SKQK, SKEG series)

| Items | Condition |
|------------------------|--|
| Flux built-up | Mounting surface should not be exposed to flux |
| Preheating temperature | Ambient temperature of the soldered surface of PC board. 100°C max. |
| Preheating time | 60s max. |
| Soldering temperature | 260°C max. |
| Duration of immersion | 5s max. |
| Number of soldering | 2times max. |

Notes

1. Consult with us for availability of TACT Switch™ washing.
2. Prevent flux penetration from the top side of the TACT Switch™.
3. Switch terminals and a PC board should not be coated with flux prior to soldering.
4. The second soldering should be done after the switch is stable with normal temperature.
5. Use the flux with a specific gravity of min 0.81.
(EC-19S-8 by TAMURA Corporation, or equivalents.)

Manual Soldering (Except SKRT Series)

| Items | Condition |
|----------------------------|------------|
| Soldering temperature | 350°C max. |
| Duration of soldering | 3s max. |
| Capacity of soldering iron | 60W max. |

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

TACT Switch™

Custom-
ProductsSharp
FeelingSoft
FeelingSnap-in
TypeSurface
Mount TypeRadial
Type