

SDS Series Side Actuated Detect Switches

Features/Benefits

- Low profile package sits just 2mm off PCB
- 2mm overtravel ideal for detector applications
- Low actuation force (75 grams max.)
- Pick & place compatible, available in tape & reel packaging
- RoHS compliant and compatible

Typical Applications

- Medical devices
- Consumer electronic devices
- PCB lock cam detect
- Smart card detect
- ATCA and MicroTCA



Specifications

CONTACT RATING: 100 mA @ 12 VDC.
 MECHANICAL & ELECTRICAL LIFE: 50,000 cycles.
 CONTACT RESISTANCE: 100 m Ω max. initial.
 INSULATION RESISTANCE: 10 M Ω min. @ 100 VDC.
 OPERATING TEMPERATURE: -40°C to +85°C.
 SOLDERABILITY: IR compatible, no wash. 260°C max.
 PACKAGING: Bulk or tape & reel (3000 per reel).

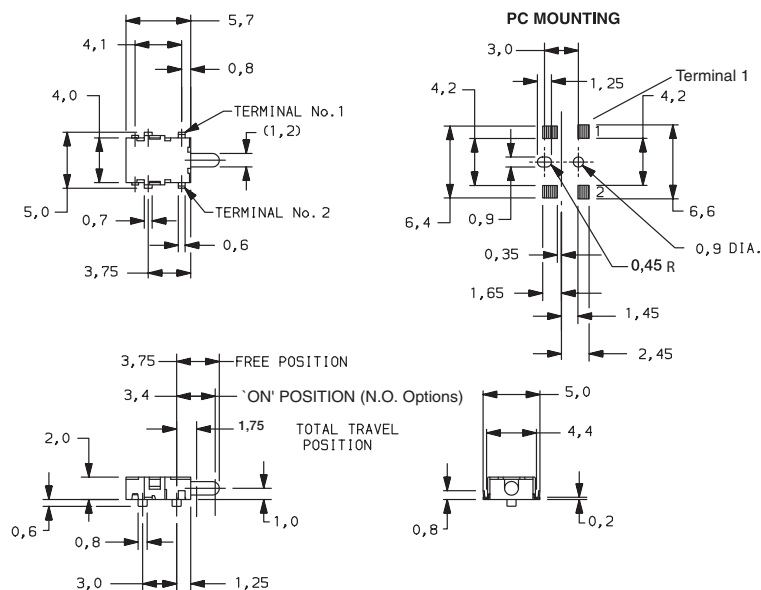
Materials

BASE: Glass filled LCP (UL 94V-0).
 ACTUATOR: Glass Filled LCP (UL94V-0).
 SURFACE PLATE: Nickel silver w/silver plate.
 MOVABLE CONTACT: Phosphor bronze, see table for plating.
 TERMINALS: Phosphor bronze, see table for plating.

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

How to Order

Complete part numbers for SDS Series Switches are shown below.

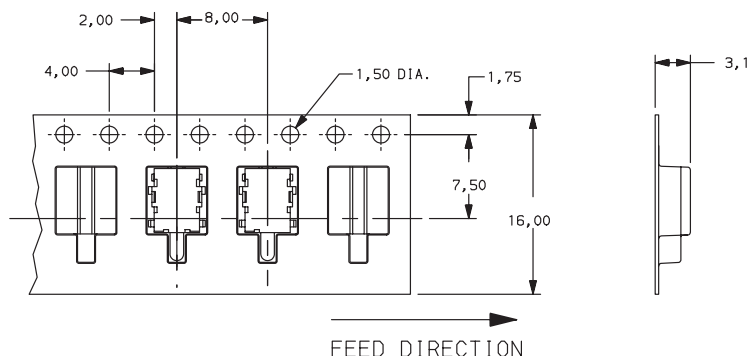


| PART NUMBER | HOUSING COLOR | PACKAGING | SCHEMATIC | Contact Plating | Terminal Plating |
|-------------|---------------|-------------|-----------|-----------------|------------------|
| SDS001 | Black | Bulk | N.O. 2 1 | Silver Clad | Silver Plate |
| SDS001R | | Tape & Reel | | | |
| SDS002 | White | Bulk | N.C. 2 1 | Gold Flash | Gold Flash |
| SDS002R | | Tape & Reel | | | |
| SDS004 | Black | Bulk | N.O. 2 1 | Gold Flash | Gold Flash |
| SDS004R | | Tape & Reel | | | |
| SDS005 | White | Bulk | N.C. 2 1 | Gold Flash | Gold Flash |
| SDS005R | | Tape & Reel | | | |



SDS001
SPST

TAPE & REEL



Dimensions are shown: mm
 Specifications and dimensions subject to change

