



THE DATASHEET OF SDA06H1KD



Features/Benefits

- Low profile design saves space
- Thru-hole and surface mount models
- High pressure contact does not require tape sealing
- Tape and reel packaging available

Typical Applications

- Address switch for industrial controls
- Logic switching for computers and peripherals
- Function controlling for numerous applications



How To Order

Complete part numbers for SDA Series are shown on pages D-5 thru D-7. All switches supplied in "OFF" position.

Specifications

CONTACT RATING: 25 mA @ 24 V DC or 100 mA @ 50 V DC.

MECHANICAL AND ELECTRICAL LIFE: 1,000 cycles at rated loads.

CONTACT RESISTANCE: 50 milliohms max. initial.

INSULATION RESISTANCE: 100 megohms between terminals.

DIELECTRIC WITHSTANDING VOLTAGE: 300 V DC min. for 1 minute.

STORAGE TEMPERATURE: -40°C to 85°C.

OPERATING TEMPERATURE: -20°C to 85°C.

OPERATING FORCE: 800 grams max.

SOLDERABILITY: Dip and look solderability testing per C&K spec. #448. Unplated edges of terminals permitted.

PACKAGING: Switches supplied in rigid dispensing tubes in full-tube quantities only, this may affect order quantity. Numbers of switches per tube varies with model. Tape and reel packaging also available.

Materials

HOUSING: PPA color: Red (UL 94V-0).

COVER: PPA color: Red (UL 94V-0).

ACTUATOR: Nylon (UL 94V-0).

CONTACTS: Gold plated BeCu.

TERMINALS: SnPb plated Brass.

TAPE SEAL: Polyimide.

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

Flush Actuator – No Tape, Thru-hole Terminals

| PART NUMBER | NO.POS. | DIM. 'A' | QUANTITY PER TUBE |
|------------------|---------|---------------|-------------------|
| SDA02H0KD | 2 | .278 (7,06) | 85 |
| SDA03H0KD | 3 | .378 (9,60) | 60 |
| SDA04H0KD | 4 | .476 (12,10) | 45 |
| SDA05H0KD | 5 | .578 (14,68) | 40 |
| SDA06H0KD | 6 | .676 (17,18) | 30 |
| SDA07H0KD | 7 | .778 (19,76) | 25 |
| SDA08H0KD | 8 | .876 (22,26) | 25 |
| SDA09H0KD | 9 | .978 (24,84) | 20 |
| SDA10H0KD | 10 | 1.076 (27,34) | 20 |
| SDA12H0KD | 12 | 1.279 (32,50) | 15 |

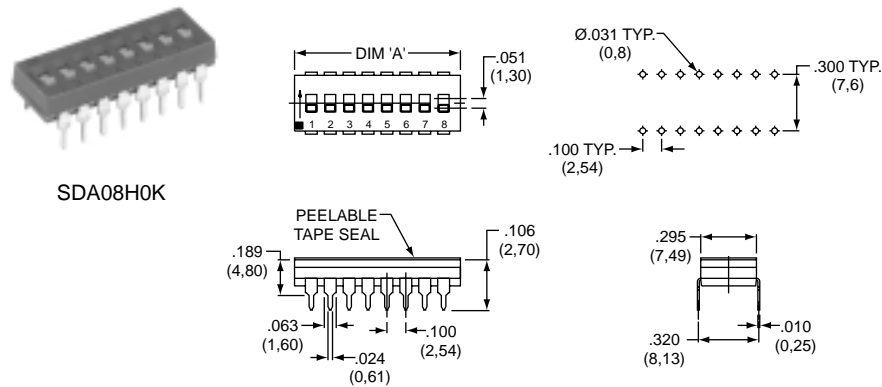
Schematic

SPST



DIP

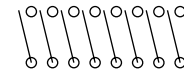
Flush Actuator – With Top Tape, Thru-hole Terminals



SDA08H0K

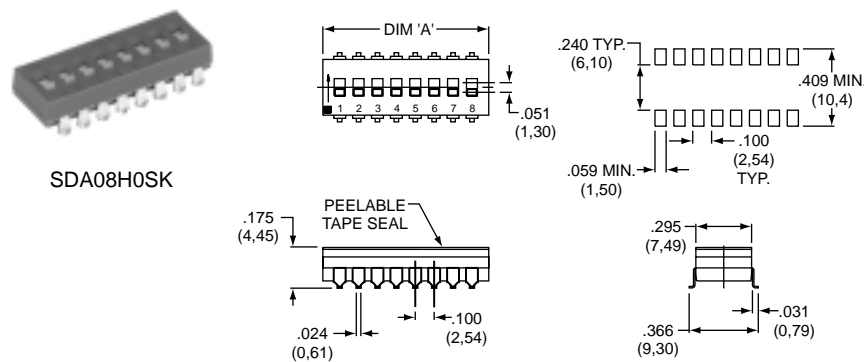
| PART NUMBER | NO.POS. | DIM. 'A' | QUANTITY PER TUBE |
|-----------------|---------|---------------|-------------------|
| SDA02H0K | 2 | .278 (7,06) | 85 |
| SDA03H0K | 3 | .378 (9,60) | 60 |
| SDA04H0K | 4 | .476 (12,10) | 45 |
| SDA05H0K | 5 | .578 (14,68) | 40 |
| SDA06H0K | 6 | .676 (17,18) | 30 |
| SDA07H0K | 7 | .778 (19,76) | 25 |
| SDA08H0K | 8 | .876 (22,26) | 25 |
| SDA09H0K | 9 | .978 (24,84) | 20 |
| SDA10H0K | 10 | 1.076 (27,34) | 20 |
| SDA12H0K | 12 | 1.279 (32,50) | 15 |

Schematic



SPST

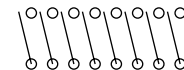
Flush Actuator – With Top Tape, Surface Mount Terminals



SDA08H0SK

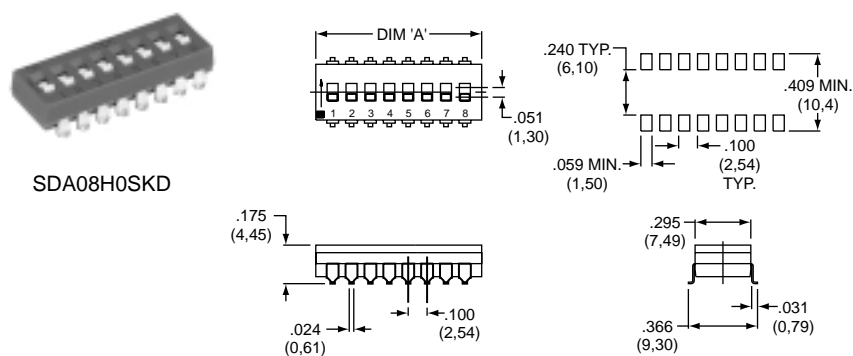
| PART NUMBER | NO.POS. | DIM. 'A' | QUANTITY PER TUBE |
|------------------|---------|---------------|-------------------|
| SDA02H0SK | 2 | .278 (7,06) | 85 |
| SDA03H0SK | 3 | .378 (9,60) | 60 |
| SDA04H0SK | 4 | .476 (12,10) | 45 |
| SDA05H0SK | 5 | .578 (14,68) | 40 |
| SDA06H0SK | 6 | .676 (17,18) | 30 |
| SDA07H0SK | 7 | .778 (19,76) | 25 |
| SDA08H0SK | 8 | .876 (22,26) | 25 |
| SDA09H0SK | 9 | .978 (24,84) | 20 |
| SDA10H0SK | 10 | 1.076 (27,34) | 20 |
| SDA12H0SK | 12 | 1.279 (32,50) | 15 |

Schematic



SPST

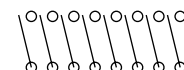
Flush Actuator – No Tape, Surface Mount Terminals



SDA08H0SKD

| PART NUMBER | NO.POS. | DIM. 'A' | QUANTITY PER TUBE |
|-------------------|---------|---------------|-------------------|
| SDA02H0SKD | 2 | .278 (7,06) | 85 |
| SDA03H0SKD | 3 | .378 (9,60) | 60 |
| SDA04H0SKD | 4 | .476 (12,10) | 45 |
| SDA05H0SKD | 5 | .578 (14,68) | 40 |
| SDA06H0SKD | 6 | .676 (17,18) | 30 |
| SDA07H0SKD | 7 | .778 (19,76) | 25 |
| SDA08H0SKD | 8 | .876 (22,26) | 25 |
| SDA09H0SKD | 9 | .978 (24,84) | 20 |
| SDA10H0SKD | 10 | 1.076 (27,34) | 20 |
| SDA12H0SKD | 12 | 1.279 (32,50) | 15 |

Schematic



SPST

Extended Actuator – No Top Tape, Thru-hole Terminals

| PART NUMBER | NO.POS. | DIM. 'A' | QUANTITY PER TUBE |
|-------------|---------|---------------|-------------------|
| SDA02H1KD | 2 | .278 (7,06) | 85 |
| SDA03H1KD | 3 | .378 (9,60) | 60 |
| SDA04H1KD | 4 | .476 (12,10) | 45 |
| SDA05H1KD | 5 | .578 (14,68) | 40 |
| SDA06H1KD | 6 | .676 (17,18) | 30 |
| SDA07H1KD | 7 | .778 (19,76) | 25 |
| SDA08H1KD | 8 | .876 (22,26) | 25 |
| SDA09H1KD | 9 | .978 (24,84) | 20 |
| SDA10H1KD | 10 | 1.076 (27,34) | 20 |
| SDA12H1KD | 12 | 1.279 (32,50) | 15 |

Schematic

SPST



SDA08H1KD

Extended Actuator – No Top Tape, Surface Mount Terminals

| PART NUMBER | NO.POS. | DIM. 'A' | QUANTITY PER TUBE |
|-------------|---------|---------------|-------------------|
| SDA02H1SKD | 2 | .278 (7,06) | 85 |
| SDA03H1SKD | 3 | .378 (9,60) | 60 |
| SDA04H1SKD | 4 | .476 (12,10) | 45 |
| SDA05H1SKD | 5 | .578 (14,68) | 40 |
| SDA06H1SKD | 6 | .676 (17,18) | 30 |
| SDA07H1SKD | 7 | .778 (19,76) | 25 |
| SDA08H1SKD | 8 | .876 (22,26) | 25 |
| SDA09H1SKD | 9 | .978 (24,84) | 20 |
| SDA10H1SKD | 10 | 1.076 (27,34) | 20 |
| SDA12H1SKD | 12 | 1.279 (32,50) | 15 |

Schematic

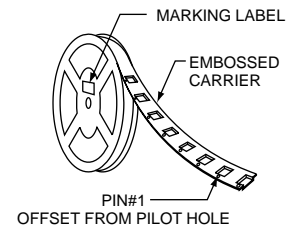
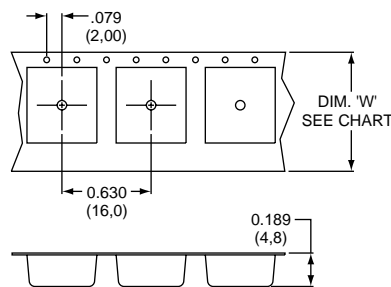
SPST



SDA08H1SKD

Tape & Reel Packaging - Surface Mount Options only

| PART NUMBER | DIM. 'W' | QUANTITY PER REEL |
|-------------|-------------|-------------------|
| SDA02H0SKR | .945 (24,0) | 750 |
| SDA03H0SKR | .945 (24,0) | 750 |
| SDA04H0SKR | .945 (24,0) | 750 |
| SDA05H0SKR | .945 (24,0) | 750 |
| SDA06H0SKR | 1.26 (32,0) | 750 |
| SDA07H0SKR | 1.26 (32,0) | 750 |
| SDA08H0SKR | 1.73 (44,0) | 750 |
| SDA09H0SKR | 1.73 (44,0) | 750 |
| SDA10H0SKR | 1.73 (44,0) | 750 |
| SDA12H0SKR | 1.73 (44,0) | 750 |



Looking for pricing, stock, or lifecycle information?

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- ⊖ [C&K Components](#) Information

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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management