Features/Benefits

- **Low profile design saves space**
- **Thru-hole and surface mount models**
- **Tape and reel packaging available**
- **Sealed with top tape**

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 SD Series are shown on pages H-7 thru H-8. All switches supplied in "OFF" position in rigid dispensing tubes or tape and reel packaging.

Specifications

SWITCH FUNCTION: SPST - 2, 3, 4, 5, 6, 7, 8, 9, 10 & 12 positions

CONTACT RATING:
Carry: 100 mA @ 50 V DC max.
Switch: 0.1 mA @ 5 V DC min to 100 mA @ 25 V DC max.

MECHANICAL AND ELECTRICAL LIFE: 2,000 make-and-break cycles at full load, each circuit.

CONTACT RESISTANCE: Below 50 milliohms typ. initial @ 2-4 V DC, 100mA.

INSULATION RESISTANCE: 10^9 ohms min.

DIELECTRIC STRENGTH: 500 V RMS min. @ sea level between adjacent terminals.

STORAGE & OPERATING TEMPERATURE: -40°C to 85°C.

OPERATING TEMPERATURE: -20°C to 85°C.

PACKAGING: Thru-hole switches supplied in rigid dispensing tubes in full-tube quantities only: this may effect order quantity. Surface mount switches available in tape and reel packaging by added 'R' to end of part number; 1,000 pieces per reel. Switch position 1 denotes pin number 1. All switch actuators in 'OFF' position, standard.

Materials

CASE & COVER: Thru-hole: polyester (PBT). Surface Mount: (PPA), flame retardant (UL 94V-0).

ACTUATOR: Nylon, flame retardant (UL 94V-0)

CONTACTS: Copper alloy with gold plate.

TERMINALS: Copper alloy with tin lead plate.

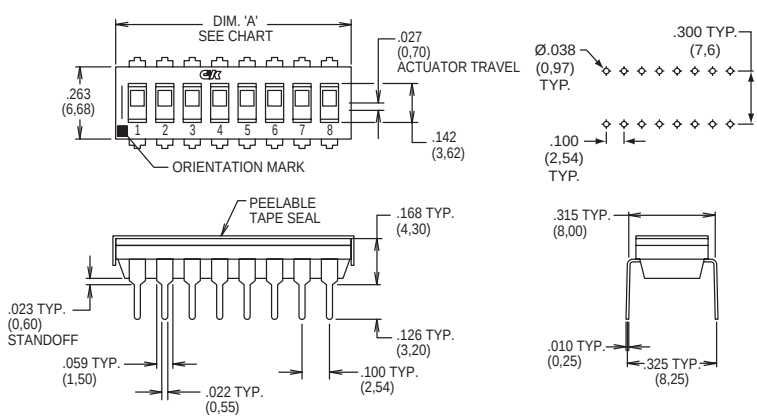
TERMINAL SEAL: All terminals insert molded.

TAPE SEAL: Polyester

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

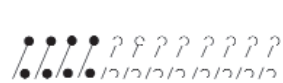
Sealed Flush Actuator - With Top Tape, Thru-hole Terminals

Process sealed - withstands soldering and cleaning processes



PART NUMBER	NO.POS.	DIM. 'A'	QUANTITY PER TUBE
SD02H0K	2	.258 (6,55)	85
SD03H0K	3	.358 (9,09)	60
SD04H0K	4	.458 (11,63)	45
SD05H0K	5	.558 (14,17)	40
SD06H0K	6	.658 (16,71)	30
SD07H0K	7	.758 (19,25)	25
SD08H0K	8	.858 (21,79)	25
SD09H0K	9	.958 (24,33)	20
SD10H0K	10	1.058 (26,87)	20
SD12H0K	12	1.258 (31,95)	15

Schematic



SPST

Third Angle Projection

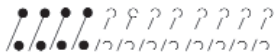
Dimensions are shown inch (mm)
Dimensions subject to change

C&K SD Series
Low Profile DIP Switches

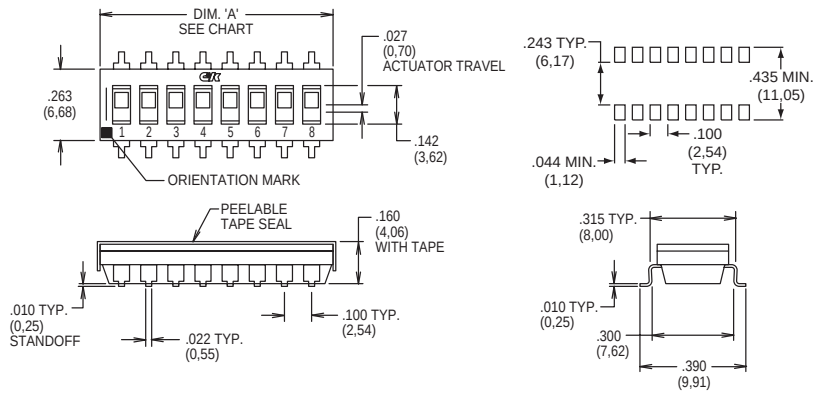
Sealed Flush Actuator – With Top Tape, Surface Mount Terminals

PART NUMBER	NO.POS.	DIM. 'A'	QUANTITY PER TUBE
SD02H0SK	2	.258 (6,55)	85
SD03H0SK	3	.358 (9,09)	60
SD04H0SK	4	.458 (11,63)	45
SD05H0SK	5	.558 (14,17)	40
SD06H0SK	6	.658 (16,71)	30
SD07H0SK	7	.758 (19,25)	25
SD08H0SK	8	.858 (21,79)	25
SD09H0SK	9	.958 (24,33)	20
SD10H0SK	10	1.058 (26,87)	20
SD12H0SK	12	1.258 (31,95)	15

Schematic



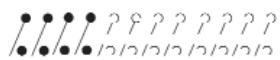
SPST



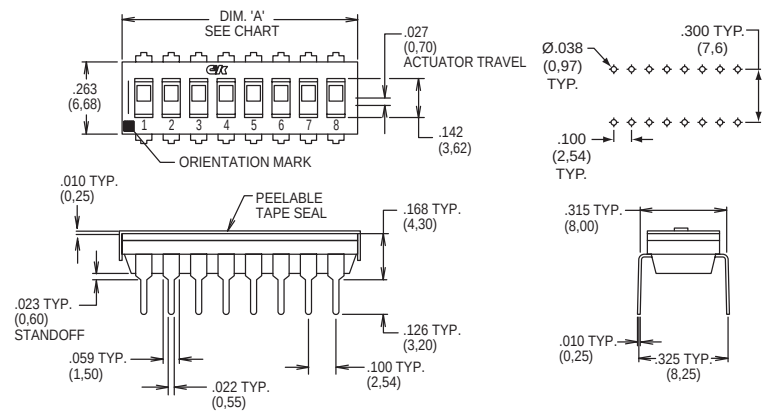
Sealed Extended Actuator – With Top Tape, Thru-hole Terminals

PART NUMBER	NO.POS.	DIM. 'A'	QUANTITY PER TUBE
SD02H1K	2	.258 (6,55)	85
SD03H1K	3	.358 (9,09)	60
SD04H1K	4	.458 (11,63)	45
SD05H1K	5	.558 (14,17)	40
SD06H1K	6	.658 (16,71)	30
SD07H1K	7	.758 (19,25)	25
SD08H1K	8	.858 (21,79))	25
SD09H1K	9	.958 (24,33)	20
SD10H1K	10	1.058 (26,87)	20
SD12H1K	12	1.258 (31,95)	15

Schematic



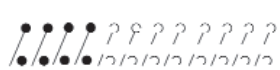
SPST



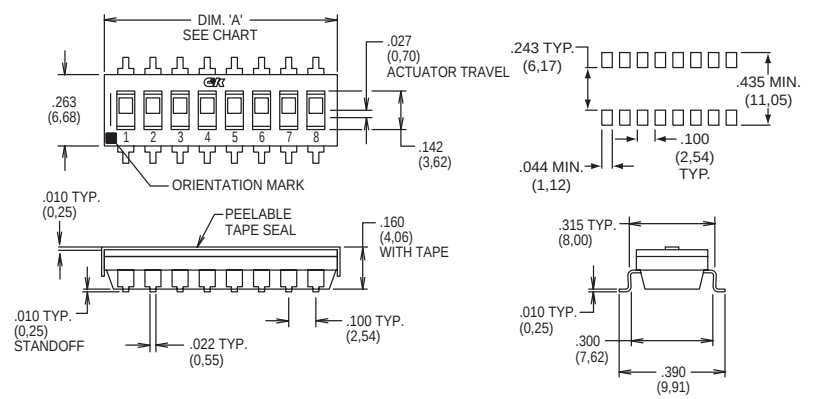
Sealed Extended Actuator – With Top Tape, Surface Mount Terminals

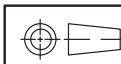
PART NUMBER	NO.POS.	DIM. 'A'	QUANTITY PER TUBE
SD02H1SK	2	.258 (6,55)	85
SD03H1SK	3	.358 (9,09)	60
SD04H1SK	4	.458 (11,63)	45
SD05H1SK	5	.558 (14,17)	40
SD06H1SK	6	.658 (16,71)	30
SD07H1SK	7	.758 (19,25)	25
SD08H1SK	8	.858 (21,79))	25
SD09H1SK	9	.958 (24,33)	20
SD10H1SK	10	1.058 (26,87)	20
SD12H1SK	12	1.258 (31,95)	15

Schematic

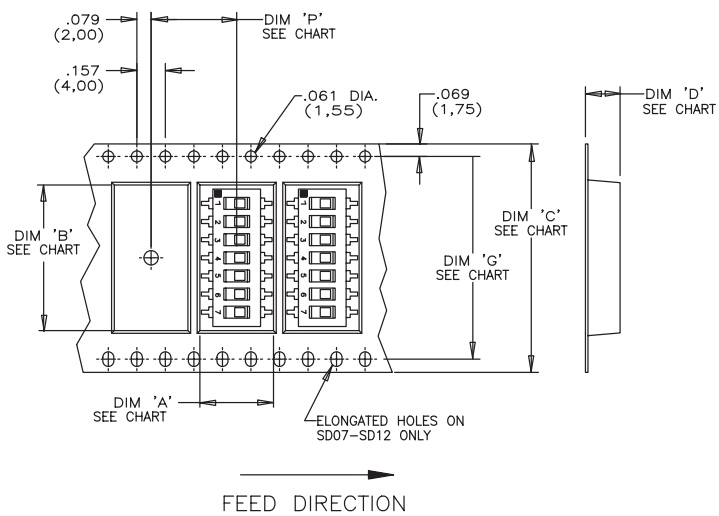


SPST





TAPE & REEL PACKAGING - SURFACE MOUNT OPTIONS ONLY



PART NUMBER	DIM. 'W'	QUANTITY PER REEL
SD02H0SKR	.630 (16,0)	1000
SD03H0SKR	.630 (16,0)	1000
SD04H0SKR	.945 (24,0)	1000
SD05H0SKR	.945 (24,0)	1000
SD06H0SKR	1.26 (32,0)	1000
SD07H0SKR	1.26 (32,0)	1000
SD08H0SKR	1.73 (44,0)	1000
SD09H0SKR	1.73 (44,0)	1000
SD10H0SKR	1.73 (44,0)	1000
SD12H0SKR	1.73 (44,0)	1000

SWITCH NO.	DIM 'A' POCKET LENGTH @ BOTTOM	DIM 'B' POCKET LENGTH @ BOTTOM	DIM 'C' TAPE WIDTH	DIM 'D' POCKET DEPTH	DIM 'G' SPROCKET HOLE SPACING	DIM 'P' PITCH BETWEEN POCKETS
SD02	.413(10.5)	.315(8.0)	.630(16,0)	.177(4.5)	N/A	.472(12,0)
SD03	.406(10.3)	.406(10.3)	.630(16,0)	.193(4.9)	N/A	.472(12,0)
SD04	.429(10.9)	.476(12.1)	.954(24,0)	.177(4.5)	N/A	.472(12,0)
SD05	.406(10.3)	.602(15.3)	.954(24,0)	.177(4.5)	N/A	.472(12,0)
SD06	.406(10.3)	.701(17.8)	.954(24,0)	.177(4.5)	N/A	.472(12,0)
SD07	.406(10.3)	.803(20.4)	1.260(32,0)	.177(4.5)	1.118(28.4)	.472(12,0)
SD08	.406(10.3)	.854(21.7)	1.732(44,0)	.177(4.5)	1.591(40.4)	.472(12,0)
SD09	.406(10.3)	1.028(26.1)	1.732(44,0)	.177(4.5)	1.591(40.4)	.472(12,0)
SD10	.406(10.3)	1.055(26.8)	1.732(44,0)	.177(4.5)	1.591(40.4)	.472(12,0)
SD12	.406(10.3)	1.303(33.1)	1.732(44,0)	.177(4.5)	1.591(40.4)	.472(12,0)

Reel Information

Outside diameter 13.00 (333,0)
Pilot hole .512 (13,0)

Third Angle Projection

LifeElectronics
Живое партнерство

ООО «ЛайфЭлектроникс» **“LifeElectronics” LLC**

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

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- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
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- *Входной контроль качества.*
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- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

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