

C&K S Series Slide Switches



Features/Benefits

- 6 to 15 AMPS
- Enclosed housing
- PC and Snap-in panel mounting
- Reversing option

Typical Applications

- Portable tools
- Small appliances
- Floor care products



Specifications

CONTACT RATING: Q contact material (S1XX, S2XX Models): 6 AMPS @ 125 V AC; 6 AMPS @ 250 V AC; 1 AMP @ 125 V DC (UL/CSA). (S5XX, S6XX Models): 12 AMPS @ 125 V AC; 6 AMPS @ 250 V AC; 1 AMP @ 125 V DC (UL/CSA). (S7XX, S8XX Models): 15 AMPS @ 125 V AC; 6 AMPS @ 250 V AC (UL/CSA). See page I-32 for additional ratings.

ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.

CONTACT RESISTANCE: Below 10 m Ω typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE: $10^9 \Omega$ min.

DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

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

Materials

HOUSING: 6/6 nylon (UL94V-2), black.

TOP PLATE: 6/6 nylon (UL94V-2), black.

ACTUATOR: 6/6 nylon (UL94V-2), black (standard).

CONTACTS: Q contact material: Copper, silver plated. See page I-32 for additional contact materials.

TERMINALS: Q contact material: Copper, silver plated. See page I-32 for additional contact materials.

CONTACT SPRING: Music wire or stainless steel.

TERMINAL SEAL: Epoxy.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages I-29 thru I-32. For additional options not shown in catalog, consult Customer Service Center.

Switch Function

- S101** (STD.) SPST, 6 AMPS
- S202** (STD.) DPDT, 6 AMPS
- S802** (STD.) DPDT, 15 AMPS
- S102** SPDT, 6 AMPS
- S111** SPST, mom., 6 AMPS
- S112** SPDT, mom., 6 AMPS
- S201** DPST, 6 AMPS
- S203** DP3T, 6 AMPS
- S501** SPST, 12 AMPS
- S502** SPDT, 12 AMPS
- S601** DPST, 12 AMPS
- S602** DPDT, 12 AMPS
- S701** SPST, 15 AMPS
- S702** SPDT, 15 AMPS
- S801** DPST, 15 AMPS

Actuator

- 03** (STD.) .335" high
- 04** .500" high
- 09** .250" high
- 12** Screwdriver slot (with marking)
- 13** Screwdriver slot (without marking)
- C2** Black cap
- C3** Red cap
- C5** Yellow cap

Detent

- 1** (STD.) With detent
- 2** (STD.) Without detent

Mounting Style

- SS** (STD.) Panel with mounting ears
- MS** PC thru-hole
- S2** Snap-in panel with blacktop plate
- TS** Panel with mounting ears

Terminations

- 03** (STD.) Solder lug with hole
- 02** PC Thru-hole
- 04** PC Thru-hole
- 07** Quick connect
- 08** PC Thru-hole
- 57** Quick connect, reversing feature
- WC** Wire lead

Housing Markings

- NONE** (STD.) No markings
- D** ON-OFF
- L** ON
- M** ON-OFF
- N** Red rectangle on one end

Contact Material

- Q** (STD.) Silver
- B** Gold
- G** Gold over silver

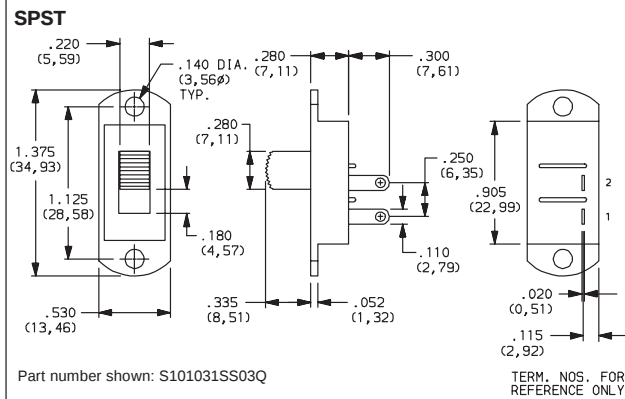
Seal

- NONE** (STD.) No seal
- E** Epoxy seal

SWITCH FUNCTION



NO. POLES	MODEL NO.	AMP RATING	SWITCH FUNCTION	SCHEMATIC	AVAILABLE MOUNTING STYLES
SP	S101 (STD.)	6	SPST		MM,SS
	S102	6	SPDT		MS,SS
	S111	6	SPST-MOM.		MS,SS
	S112	6	SPDT-MOM.		MS,SS
	S501	12	SPST		MS,SS
	S502	12	SPDT		MS,SS
	S701	15	SPST		S1,S2,S3,ST
	S702	15	SPDT		S1,S2,S3,ST

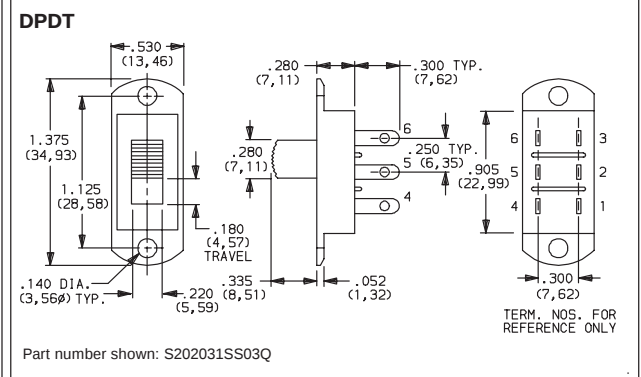


NOTE: and MOM. in table indicates momentary action.

All models with all options when ordered with 'G' or 'Q' contact material.

Contacts make on side actuator thrown.

NO. POLES	MODEL NO.	AMP RATING	SWITCH FUNCTION	SCHEMATIC	AVAILABLE MOUNTING STYLES
DP	S201	6	DPST		MS,SS
	S202 (STD.)	6	DPDT		MS,SS
	S601	12	DPST		MS,SS
	S602	12	DPDT		MS,SS
	S801	15	DPST		S1,S2,S3,ST
	S802 (STD.)	15	DPDT		S1,S2,S3,ST



ACTUATOR



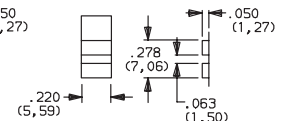
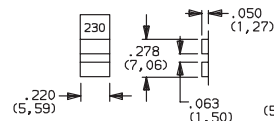
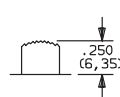
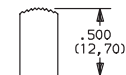
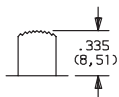
03 (STD.) .335" HIGH

04 .500" HIGH

09 .250" HIGH

12 SCREWDRIVER SLOT (WITH MARKING)

13 SCREWDRIVER SLOT (WITHOUT MARKING)

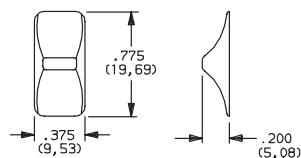


NOTE: Standard actuator color is black, other colors available, consult Customer Service Center. Alternate heights are available with '03, 04 and 09' actuators, consult Customer Service Center. Models with 'S1, S2 and ST' mounting style, subtract .090 (2,29). Actuators '12' and '13' are available with DPST and DPDT models only.

White 115-230 markings (std.).

Without markings.

C2; C3; C5 SNAP-ON CAP



Available with 'S1, S2 and ST' mounting style only.

OPTION CODE2	C1-CT CAP COLOR
C2	(STD.) BLACK
C3	RED
C5	YELLOW

NOTE: Actuator finish: matte. If no color is specified, black will be supplied. Colored actuator caps may also be ordered separately and user installed, see page I-32.



Dimensions are shown: IN (mm)
Dimensions subject to change

C&K S Series Slide Switches

DETENT ■■■■■■

1 (STD.) WITH DETENT

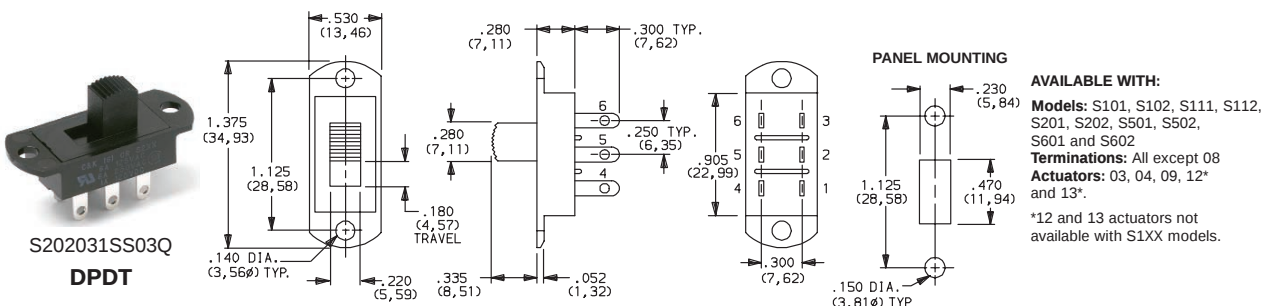
Standard with all maintained models: S101, S102, S103, S201, S202, S203, S501, S502, S601, S602, S701, S702, S801 and S802.

2 (STD.) WITHOUT DETENT

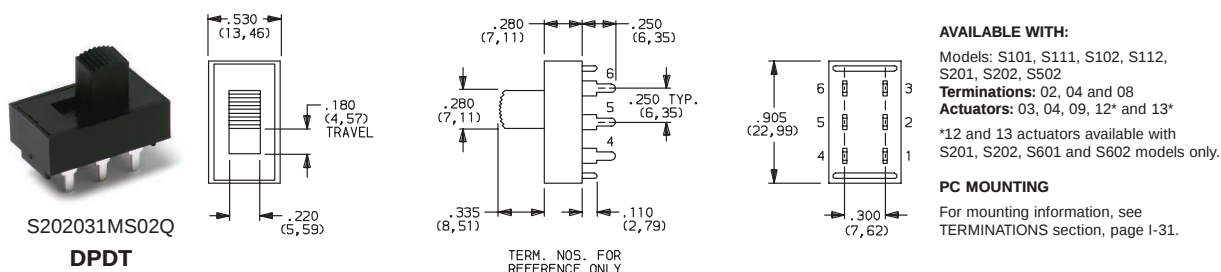
Standard with all momentary models: S111, S112.

MOUNTING STYLE ■■■■■■

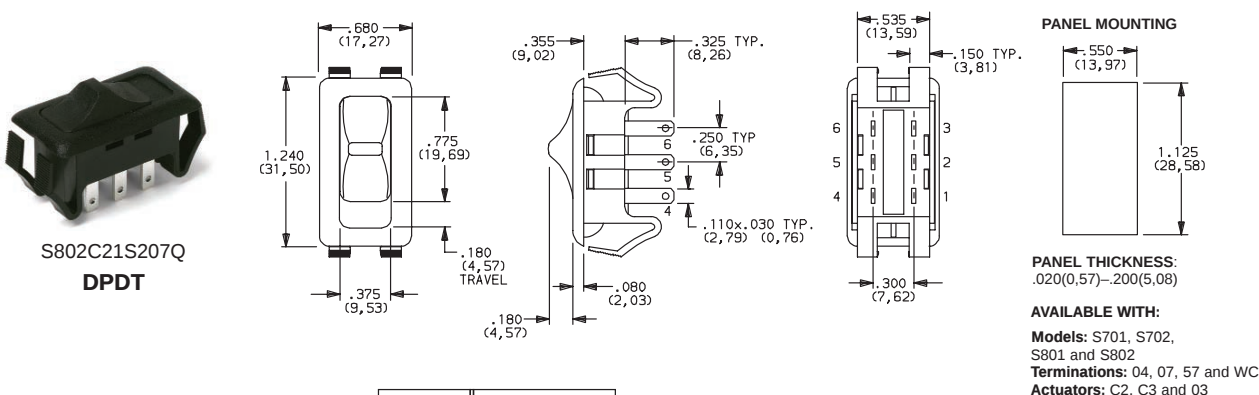
SS (STD.) PANEL WITH MOUNTING EARS



MS PC THRU-HOLE



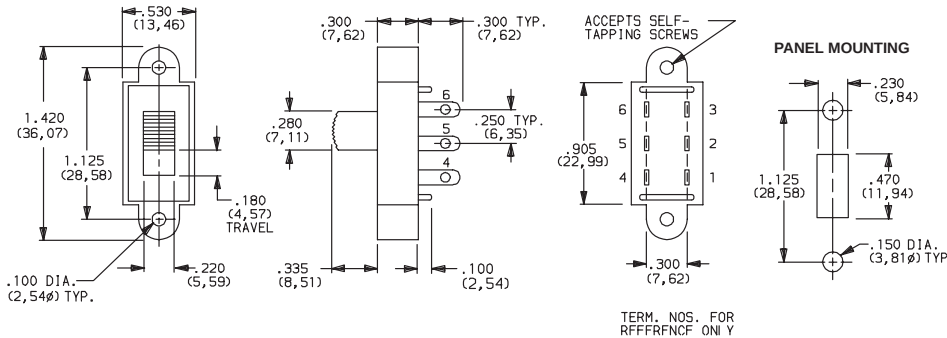
S2 SNAP-IN PANEL



Dimensions are shown: IN (mm)
 Dimensions subject to change

MOUNTING STYLE

TS PANEL WITH MOUNTING EARS

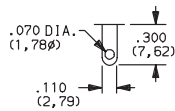


S202031TS03Q
DPDT

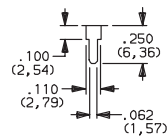
AVAILABLE WITH:
Models: S201, S202, S601 and S602
Terminations: All
Actuators: 03, 04 and 12.

TERMINATIONS

03 (STD.) SOLDER LUG WITH HOLE

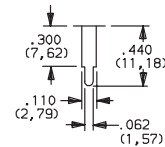


02 PC THRU-HOLE



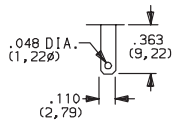
Recommended with 'MS' mounting style only.

04 PC THRU-HOLE

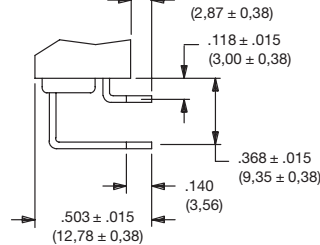


Recommended with double pole models only.

07 QUICK CONNECT

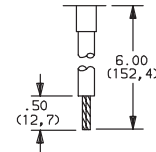


08 PC THRU-HOLE



MS mounting style only.

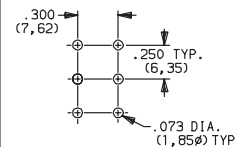
WC WIRE LEAD



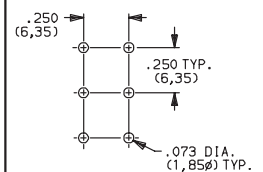
18 AWG wire for S1XX and S2XX models.
 16 AWG wire for all other models. Black wire standard, other colors and lengths available, consult Customer Service Center.
 UL style 1015.

PC MOUNTING

02 & 04 terminations

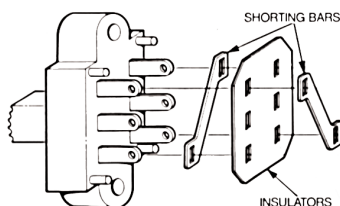


08 terminations with MS mounting style.



NOTE: All terminals on S1XX, S2XX, S5XX and S6XX models are .020 (0,51) thick; all terminals on S7XX and S8XX models are .031 (0,79) thick.

REVERSING SWITCH OPTION



DPST and DPDT models are only available with two diagonal terminal jumper strips, providing reversing capability. Select desired termination option from chart.

REVERSING SWITCH TERMINATION OPTIONS	
OPTION CODE	DESCRIPTION
57	07 TERMINALS + REVERSING FEATURE