

S Series Slide Switches



Models Available

Slide

Specifications

CONTACT RATING: Q contact material (S1XX, S2XX Models): 6 AMPS @ 125 V AC; 6 AMPS @ 250 V AC; 1 AMP @ 125 V DC. (S5XX, S6XX Models): 12 AMPS @ 125 V AC; 6 AMPS @ 250 V AC; 1 AMP @ 125 V DC. (S7XX, S8XX Models): 15 AMPS @ 125 V AC; 6AMPS @ 250 V AC. 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.

OPERATING TEMPERATURE: -30°C to +65°C

STORAGE TEMPERATURE: -30°C to +85°C

Features/Benefits

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

Typical Applications

- Portable tools
- Small appliances
- Floor care products

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.

NOTE: Any models supplied with Q, B or G contact material are RoHS compliant.

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

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 through I-32. For additional options not shown in catalog, consult Customer Service Center.



Switch Function

S101 SPST, 6 AMPS
S202 (DPDT, 6 AMPS
S802 DPDT, 15 AMPS
S102 SPDT, 6AMPS
S112 SPDT, mom., 6 AMPS
S201 DPST, 6 AMPS
S602 DPDT, 12 AMPS
S701 SPST, 15 AMPS
S702 SPDT, 15 AMPS

Actuator

03 .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 With detent
2 Without detent

Mounting Style

SS Panel with mounting ears
MS PC thru-hole
S2 Snap-in panel with blacktop plate
TS Panel with mounting ears

Terminations

03 Solder lug with hole
02 PC Thru-hole
04 PC Thru-hole
07 Quick connect
08 PC Thru-hole
WC Wire lead

Housing Markings

NONE No markings
D ON-OFF
L ON
M ON-OFF
N Red rectangle on one end

Contact Material

Q Silver
B Gold
G Gold over silver

Seal

NONE No seal
E Epoxy seal



Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

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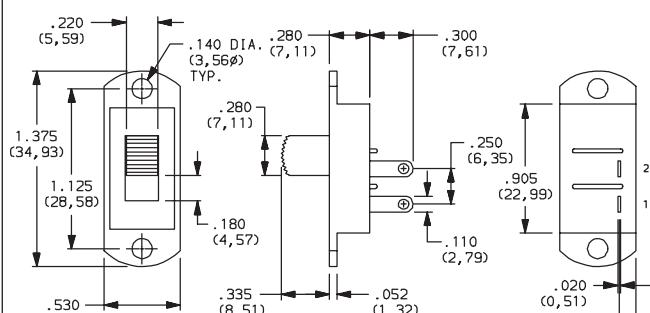
S Series Slide Switches

SWITCH FUNCTION



NO. POLES	MODEL NO.	AMP RATING	SWITCH FUNCTION	SCHEMATIC	AVAILABLE MOUNTING STYLES	NO. POLES	MODEL NO.	AMP RATING	SWITCH FUNCTION	SCHEMATIC	AVAILABLE MOUNTING STYLES
SP	S101	6	SPST		SS	DP	S201	6	DPST		MS,SS,TS
	S102	6	SPDT		MS,SS		S202	6	DPDT		MS,SS,TS
	S112	6	SPDT-MOM.		MS,SS		S602	12	DPDT		MS,SS,TS
	S701	15	SPST		S1,S2,S3,ST		S802	15	DPDT		S1,S2,S3,ST
	S702	15	SPDT		S1,S2,S3,ST						

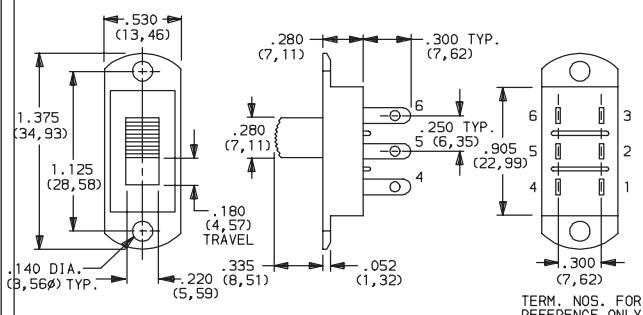
SPST



Part number shown: S101031SS03Q

TERM. NOS. FOR
REFERENCE ONLY

DPDT



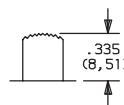
Part number shown: S202031SS03Q

NOTE: and MOM. in table indicates momentary action.

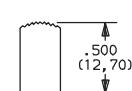
All models with all options when ordered with 'G' or 'Q' contact material.
Contacts make on side actuator thrown.

ACTUATOR

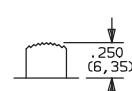
03 .335" HIGH



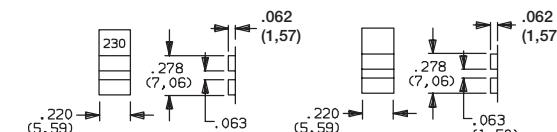
04 .500" HIGH



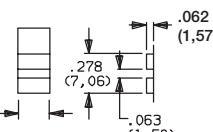
09 .250" HIGH



12 SCREWDRIVER SLOT
(WITH MARKING)



13 SCREWDRIVER SLOT
(WITHOUT MARKING)



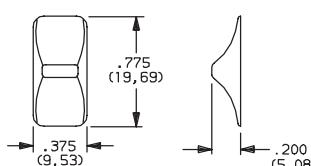
NOTE: Standard actuator color is black, other colors available, consult Customer Service Center. Alternate heights are available with '03, 04 and 09' actuators, consult Customer Service Center. Models with S2 mounting style, subtract .090 (2.29). Actuators '12' and '13' are available with DPST and DPDT models only.

White 115-230 markings (std.).

Without markings.

C2; C3; C5

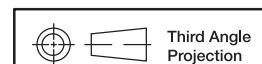
SNAP-ON CAP



Available with S2 mounting style only.

OPTION CODE2	C1-CT CAP COLOR
C2	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: Inches (mm)
Specifications and dimensions subject to change

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DETENT

1 WITH DETENT

Standard with all maintained models: S101, S102, S201, S202, S602, S701, S702, and S802.

2 WITHOUT DETENT

Standard with all momentary models: S112.

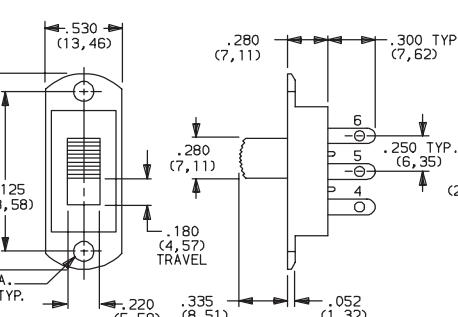
MOUNTING STYLE

SS

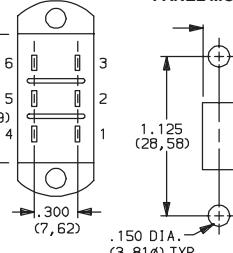
PANEL WITH MOUNTING EARS



DPDT



PANEL MOUNTING



AVAILABLE WITH:

Models: S101, S102, S112, S201, S202 and S602

Terminations: All except 08

Actuators: 03, 04, 09, 12* and 13*.

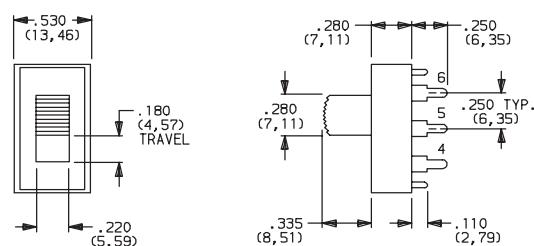
*12 and 13 actuators not available with S1XX models.

MS

PC THRU-HOLE



DPDT



TERM. NOS. FOR
REFERENCE ONLY

AVAILABLE WITH:

Models: S101, S102, S112, S201, S202, S602

Terminations: 02, 04 and 08

Actuators: 03, 04, 09, 12* and 13*.

*12 and 13 actuators available with S201, S202 and S602 models only.

PC MOUNTING

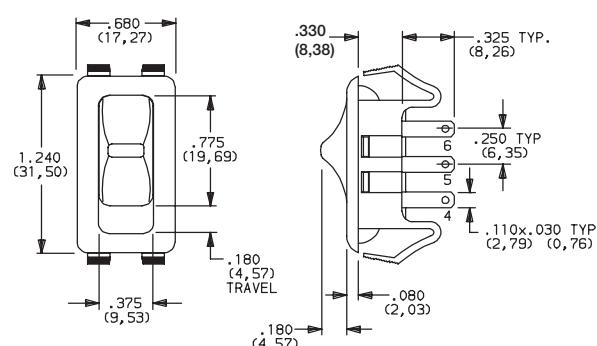
For mounting information, see TERMINATIONS section, page I-31.

S2

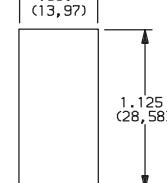
SNAP-IN PANEL



DPDT



PANEL MOUNTING



PANEL THICKNESS:

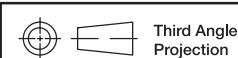
.020(0.57)–.200(5.08)

AVAILABLE WITH:

Models: S701, S702, and S802

Terminations: 04, 07, 57 and WC

Actuators: C2, C3, C5 and 03



Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

S Series Slide Switches

TOP PLATE MARKINGS

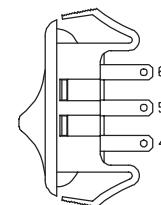
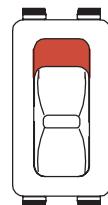
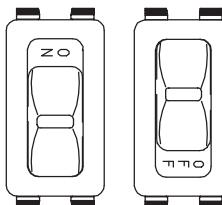
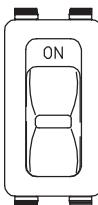
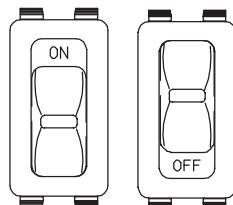
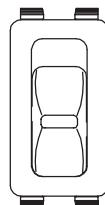
NONE NO MARKINGS

D ON-OFF

L ON

M ON-OFF

N RED RECTANGLE ON ONE END



NOTE: Top plate markings are available with 'S2' mounting style only. The marking color on all top plates with marking options 'D, L and M' is white, standard, (except white top plates: marking color is black, standard). The marking color on all top plates with 'N' marking option is red, standard. Other marking colors are available, consult Customer Service Center.

Note: Orientation of actuator markings and terminals.

Slide

CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	RATINGS
Q	SILVER ²	POWER S1XX, S2XX MODELS: 6 AMPS @ 125 V AC; 6 AMPS @ 250 V AC; 1 AMP @ 125 V DC us S6XX MODELS: 12 AMPS @ 125 V AC; 6 AMPS @ 250 V AC; 1 AMP @ 125 V DC us S7XX, S8XX MODELS: 15 AMPS @ 125 V AC; 6 AMPS @ 250 V AC us
B	GOLD ¹	LOW LEVEL/DRY CIRCUIT 0.4 VA MAX. @ 20 V AC OR DC max.
G	GOLD OVER SILVER ³	LOW LEVEL/DRY CIRCUIT OR POWER S1XX, S2XX MODELS: 0.4 VA MAX. @ 20 V AC OR DC MAX. OR 6 AMPS @ 125 V AC; 6 AMPS @ 250 V AC; 1 AMP @ 125 V DC us S6XX MODELS: 0.4 VA MAX. @ 20 V AC OR DC MAX. OR 12 AMPS @ 125 V AC; 6 AMPS @ 250 V AC; 1 AMP @ 125 V DC us S7XX, S8XX MODELS: 0.4 VA MAX. @ 20 V AC OR DC MAX. OR 15 AMPS @ 125 V AC; 6 AMPS @ 250 V AC us

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

¹ CONTACTS & TERMINALS: Copper, with gold plate over nickel plate.

NOTE: Any models supplied with Q, B or G contact material are RoHS compliant.

² CONTACTS & TERMINALS: Copper, silver plated (standard with all termination options).

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

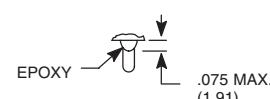
³ CONTACTS & TERMINALS: Copper, with gold plate over nickel plate over silver plate.

NOTE: 'G' contact material is equivalent to both 'B' and 'Q' contact materials.

SEAL

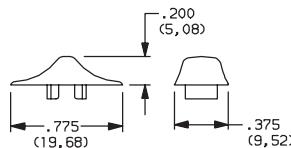
NONE NO SEAL

E EPOXY SEAL



AVAILABLE HARDWARE

Cap, C2; C3 actuators

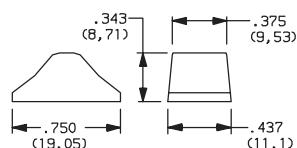


PART NO.

121160100 WHITE
121160200 BLACK
121160300 RED

Material: 6/6 Nylon
Finish: Matte

Cap, 03 actuator



PART NO.

121000101 WHITE
121000102 BLACK
121000103 RED

Material: 6/6 Nylon
Finish: Gloss



Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

NOTE: Other cap colors available, consult Customer Service Center.



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