

L Series Miniature Slide Switches

Features/Benefits

- Positive detent
- Enclosed housing
- Maintained and momentary functions
- PC and panel mounting
- RoHS compliant

Typical Applications

- Communications equipment
- Lighting devices



c **UL** **US**
Models Available



Slide

Specifications

CONTACT RATING: Q contact material (LX0X, LX1X Models): 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC; 0.5 AMP @ 125 V DC (UL). See page I-23 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: 10⁹ Ω min.

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

OPERATING TEMPERATURE: -30°C to +65°C

STORAGE TEMPERATURE: -30°C to +85°C

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.

ACTUATOR: 6/6 nylon (UL94V-2), black. '13' actuator, natural (standard).

CONTACTS: Q contact material: Copper, silver plated. See page I-23 for additional contact materials.

TERMINALS: Q contact material: Copper, silver plated. See page I-23 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.

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-20 through I-24. For additional options not shown in catalog, consult Customer Service Center.

| | |
|--|---|
| | |
| Switch Function L202 DPDT L203 DP3T L101 SPST L102 SPDT L103 SP3T L104 SP4T L112 SPDT, mom. L113 SP3T, mom. to one end L123 SP3T, mom. to both ends L201 DPST L204 DP4T L212 DPDT, mom. | Actuator 01 .200" high 02 .335" high 03 .375" high 05 .312" high 11 .100" high 12 Screwdriver slot 13 Plunger without cap 14 Plunger with .200" dia. cap 15 Plunger with .310" dia. cap 17 Plunger with .458" dia. cap 19 Plunger with .590" dia. cap Detent 1 With detent 2 Without detent Mounting Style MS PC Thru-hole MA Right angle, PC thru-hole ML Right angle, PC thru-hole MV Right angle, PC thru-hole SS Panel with mounting ears TS Panel with integral mounting ears |
| | Terminations 02 PC Thru-hole 01 Solder lug with notch 03 Solder lug with hole 04 PC Thru-hole 10 PC Thru-hole 06 Wire wrap 12 PC Thru-hole |
| | Contact Material B Gold Q Silver G Gold over silver Seal NONE No seal E Epoxy seal Cap Color 2 Black NONE No cap |



L Series Miniature Slide Switches

SWITCH AND LOCK FUNCTION



| NO. POLES | MODEL NO. | SWITCH FUNCTION | SCHEMATIC | AVAILABLE MOUNTING STYLES |
|-----------|-------------|------------------------|-----------|---------------------------|
| SP | L101 | SPST | | ML, MS, SS |
| | L102 | SPDT | | ML, MS, SS |
| | L112 | SPDT-MOM. | | ML, MS, MV, SS |
| | L103 | SP3T | | MA, MS, TS |
| | L113 | SP3T-MOM. to one end | | MA, MS, TS |
| | L123 | SP3T-MOM. to both ends | | MA, MS, TS |
| | L104 | SP4T | | MS |

| NO. POLES | MODEL NO. | SWITCH FUNCTION | SCHEMATIC | AVAILABLE MOUNTING STYLES |
|-----------|-------------|-----------------|-----------|---------------------------|
| DP | L201 | DPST | | MA, MS, SS |
| | L202 | DPDT | | MA, MS, SS |
| | L212 | DPDT-MOM. | | MV |
| | L203 | DP3T | | MS, TS |
| | L204 | DP4T | | MS |

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

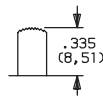


ACTUATOR OPTIONS FOR 'MS, MA, ML, SS, & TS' MOUNTING STYLES

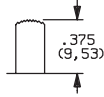
01 .200" HIGH



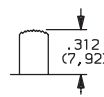
02 .335" HIGH



03 .375" HIGH



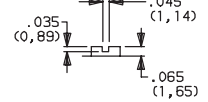
05 .312" HIGH



11 .100" HIGH



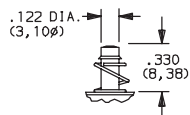
12 SCREWDRIVER SLOT



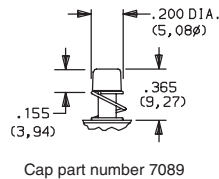
NOTE: No actuator color option code is required. Standard actuator color is black, other colors and heights available, consult Customer Service Center. See pages I-20 and I-22 for available mounting styles.

ACTUATOR OPTIONS FOR 'MV' MOUNTING STYLE

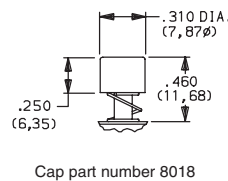
13 PLUNGER WITHOUT CAP



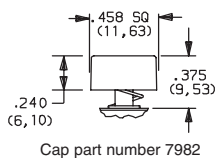
14 PLUNGER WITH CAP



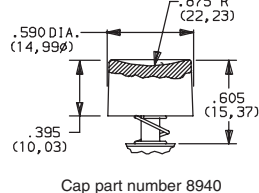
15 PLUNGER WITH CAP



17 PLUNGER WITH CAP



19 PLUNGER WITH CAP



| OPTION CODE | ACTUATOR CAP COLORS |
|-------------|---------------------|
| 2 | BLACK |
| NONE | 01-13 ACTUATORS |

Other colors available, consult Customer Service Center.

ACTUATOR CAPS

Caps supplied are not installed standard. To order actuator options '14 thru 19,' select desired cap color from chart and place option code in last box of ordering format. Leave box empty for all other actuator options. Caps may also be ordered separately and user installed, see pages I-23 and I-24. Specify the four digit part number and desired cap color. For switches without caps, order '13' or '23' actuator option. Cap finish: gloss (excluding square cap part number 7982, finish: matte).



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

L Series Miniature Slide Switches

DETENT

1 WITH DETENT

Standard with all maintained models: L101, L102, L103, L104, L113, L201, L202, L203 and L204.

2 WITHOUT DETENT

Standard with all momentary models: L112, L123, and L212.

MOUNTING STYLE

MS PC THRU-HOLE, 2 POSITION MODELS



AVAILABLE WITH:

Models: L101, L102, L112, L103, L113 L123,

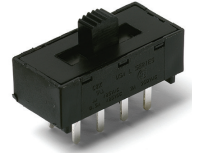
L201, L202, L203, L104 and L204

Terminations: 02, 06, 10 and 12

Actuators: 01, 02, 03, 05, 11 and 12

PC MOUNTING

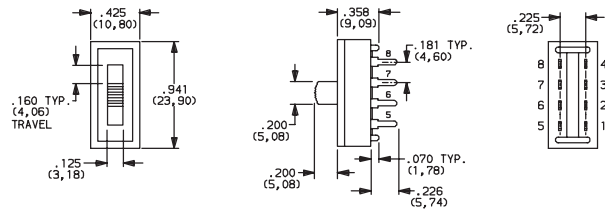
For mounting information, see
TERMINATIONS section, page I-23.



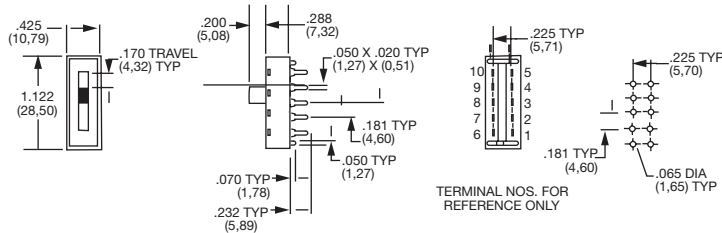
L203011MS02Q

DP3T

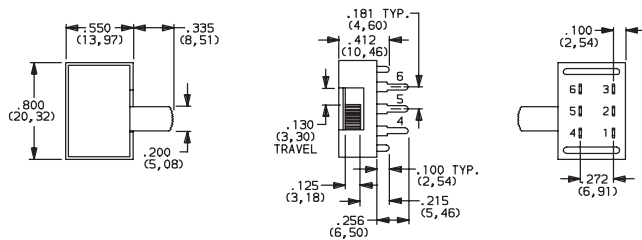
PC THRU-HOLE, 3 POSITION MODELS



PC THRU HOLE, 4 POSITION MODELS



MA RIGHT ANGLE, PC THRU-HOLE



AVAILABLE WITH:

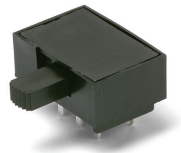
Models: L103, L201, L202, L113 and L123

Terminations: 04

Actuators: 02 and 12

PC MOUNTING

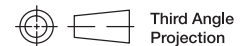
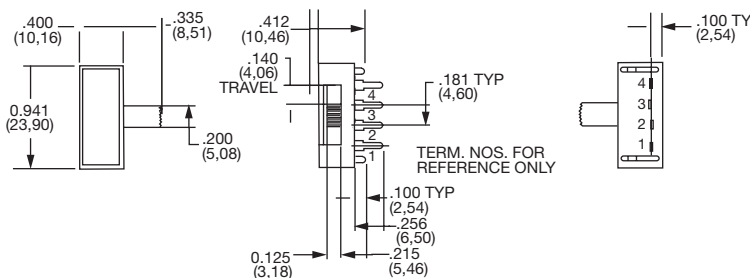
For mounting information, see
TERMINATIONS section, page I-23.



L202021MA04Q
Horizontal Actuation

DPDT

RIGHT ANGLE, PC, SP-3 POSITION MODELS



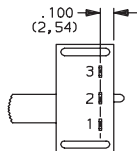
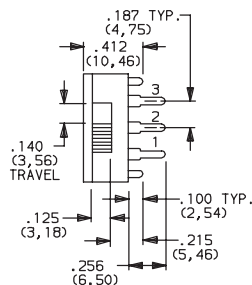
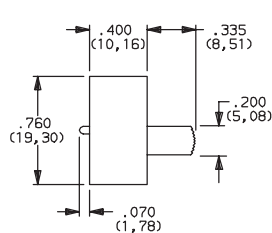
Third Angle
Projection
Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

L Series Miniature Slide Switches

MOUNTING STYLE



ML RIGHT ANGLE, PC THRU-HOLE



AVAILABLE WITH:

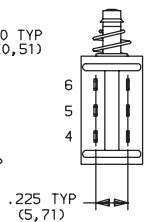
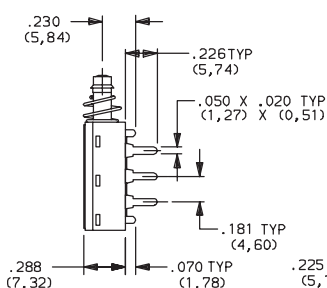
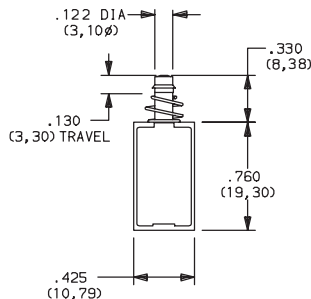
Models: L101, L102, L112
Terminations: 04
Actuators: 01, 02, 05, 11 and 12
PC MOUNTING

For mounting information, see TERMINATIONS section, page I-23.



L10201ML04Q
Horizontal Actuation
SPDT

MV RIGHT ANGLE, PC THRU-HOLE



AVAILABLE WITH:

Models: L112 and L212
Terminations: 02, 06, 10 and 12
Actuators: 13 thru 19

PC MOUNTING

For mounting information, see TERMINATIONS section, page I-23.

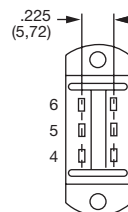
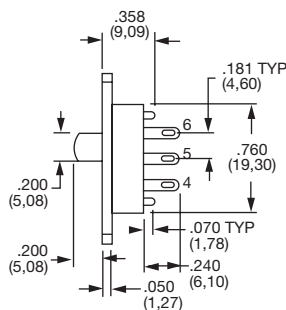
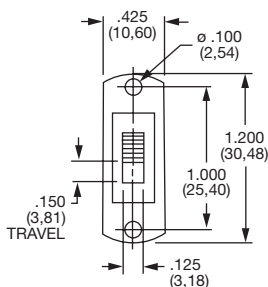


L212132MV02Q
DPDT

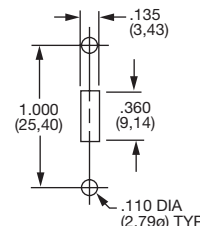
SS PANEL WITH MOUNTING EARS



L202011SS03Q
DPDT



PANEL MOUNTING



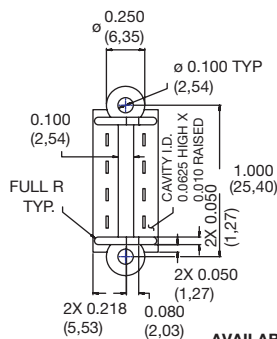
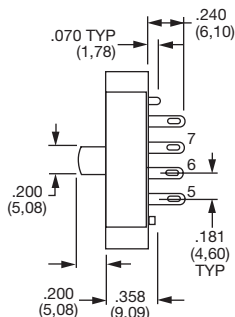
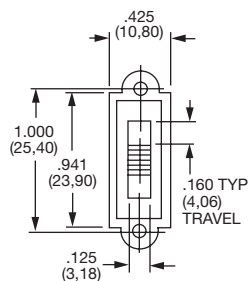
AVAILABLE WITH:

Models: L101, L102, L112, L201 and L202
Terminations: 01, 02, 03, 06, 10, 12
Actuators: 01, 02, 03, 05, 11 and 12

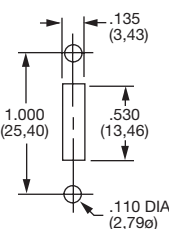
TS PANEL WITH INTEGRAL MOUNTING EARS



L203011TS03Q
DP3T



PANEL MOUNTING



AVAILABLE WITH:

Models: L103, L113, L123 and L203
Terminations: 01, 02, 03, 06, 10, 12
Actuators: 01, 02, 03, 05, 11 and 12



Third Angle
Projection

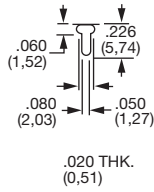
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

L Series Miniature Slide Switches

TERMINATIONS

'MS, MV, SS & TS' Mounting Styles Only

02 PC THRU-HOLE



01 SOLDER LUG WITH NOTCH



03 SOLDER LUG WITH HOLE



10 PC THRU-HOLE



12 PC THRU-HOLE



06 WIRE WRAP

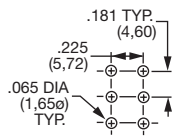


'MA & ML' Mounting Styles Only

04 PC THRU-HOLE



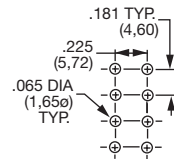
All models with '04' terminations and 'ML' mounting style.



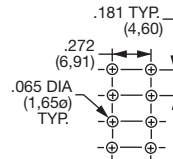
All 2 position models, except '04' and '10' terminations.



All 2 position models with '04' and '10' terminations.



All 3 position models except '04' and '10' terminations.



All 3 position models, with '10' termination.



All 4 position models, except '04' and '10' terminations.



All 4 position models, with '10' terminations.

CONTACT MATERIAL

| OPTION CODE | CONTACT MATERIAL | RATINGS | |
|-------------|-------------------------------|--------------------------------|--|
| B | GOLD ¹ | LOW LEVEL/DRY CIRCUIT | 0.4 VA MAX. @20 V AC OR DC max. |
| Q | SILVER ² | POWER | LX0X, LX1X MODELS: 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC; 0.5 AMP @ 125 V DC (UL). LX6X MODELS: 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC (UL). |
| G | GOLD OVER SILVER ³ | LOW LEVEL/DRY CIRCUIT OR POWER | LX0X, LX1X MODELS: 0.4 VA MAX. @ 20 V AC or DC MAX. or 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC; 0.5 AMP @ 125 V DC (UL). LX6X MODELS: 0.4 VA MAX. @ 20 V AC or DC MAX. or 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC (UL). |

* 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.

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

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

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

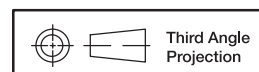
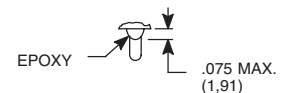
All models  with all options when ordered with 'G' or 'Q' contact material.

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

SEAL

NONE NO SEAL

E EPOXY SEAL



Third Angle Projection

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

C&K

19 Mar 2019



Slide

L Series Miniature Slide Switches

AVAILABLE HARDWARE

Cap
Compatible with 13-19 actuators



PART NO.
708902000 BLACK
708903000 RED

Material: Nylon
Finish: Gloss

Cap
Compatible with 13-19 actuators



PART NO.
752702000 BLACK
752703000 RED

Material: Nylon
Finish: Gloss

Cap
Compatible with 13-19 actuators



PART NO.
801802000 BLACK
801803000 RED

Material: Nylon
Finish: Gloss

Cap
Compatible with 13-19 actuators



PART NO.
452D02000 BLACK
452D03000 RED

Material: Nylon
Finish: Gloss

Cap
Compatible with 13-19 actuators



PART NO.
894102000 BLACK
894103000 RED

Material: Nylon
Finish: Gloss

Cap
Compatible with 13-19 actuators



PART NO.
484602000 BLACK
484603000 RED

PART NO.
798202263 BLACK
798203000 RED

Material: Nylon
Finish: Gloss

Material: Nylon
Finish: Matte

Cap
Compatible with 01-05 actuators



PART NO.
120100602 BLACK

Material: Nylon
Finish: Matte

NOTE: Other colors available,
consult Customer Service Center.



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

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

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