

S and SR series

Washable rocker and paddle switches

Distinctive features and specifications

UG1410A



☐ Sealed

- Secure assembly of the two case parts
- Internally sealed bushing
- Epoxy sealed terminals

☐ Process compatible (S series)

- Wave solderable
- Washable

☐ Optional ESD protection

ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
 - silver contacts (A or 1) : 4A 30VDC
 - brass, gold plated contacts (CD or 0) : 0,4VA 20VAC or DC
 - silver, gold plated contacts (AD or 2) : 4A 30VDC (300mA 30VDC for gold plating)
- Initial contact resistance : 10 mΩ max.
- Insulation resistance : 1.000 MΩ min.
- Dielectric strength : 1.000 Vrms 50 Hz min.
- Electrical life with nominal load :

Contacts	Number of cycles	
	2 positions	3 positions
A or 1	40.000	40.000
CD or 0	100.000	50.000
AD or 2	40.000	40.000

MATERIALS

- Case and cover : UL94-V0, polyamide, glass filled or PES
- Actuator : polyamide
- Contacts
 - CD or 0 : brass, gold plated
 - A or 1 : silver
 - AD or 2 : silver, gold plated
- Terminal seal : epoxy

GENERAL SPECIFICATIONS

- Mechanical strength :
Terminals are strengthened by a bracket or a ground plate ensuring the rigidity of the switch on the board. Actuator strength is 10N max.
- Operating temperature : -20°C to +85°C
- Storage temperature : -40°C to +85°C
- Moisture :
The insulating materials employed and the complete seal permit the switches to withstand a 56 days moisture test (IEC 68-2-3).
- Soldering - thermal shock (S series only) :
The switches are especially designed for flow soldering at 260°C during 5 seconds owing to high temperature polymer parts.
- Iron soldering (SR series) : 300°C 5 sec. max.
- Solderability : The switches are tested at 235°C according to IEC 68-2-20 after accelerated aging.

AGENCY APPROVALS



2A 250VAC
4A 125VAC

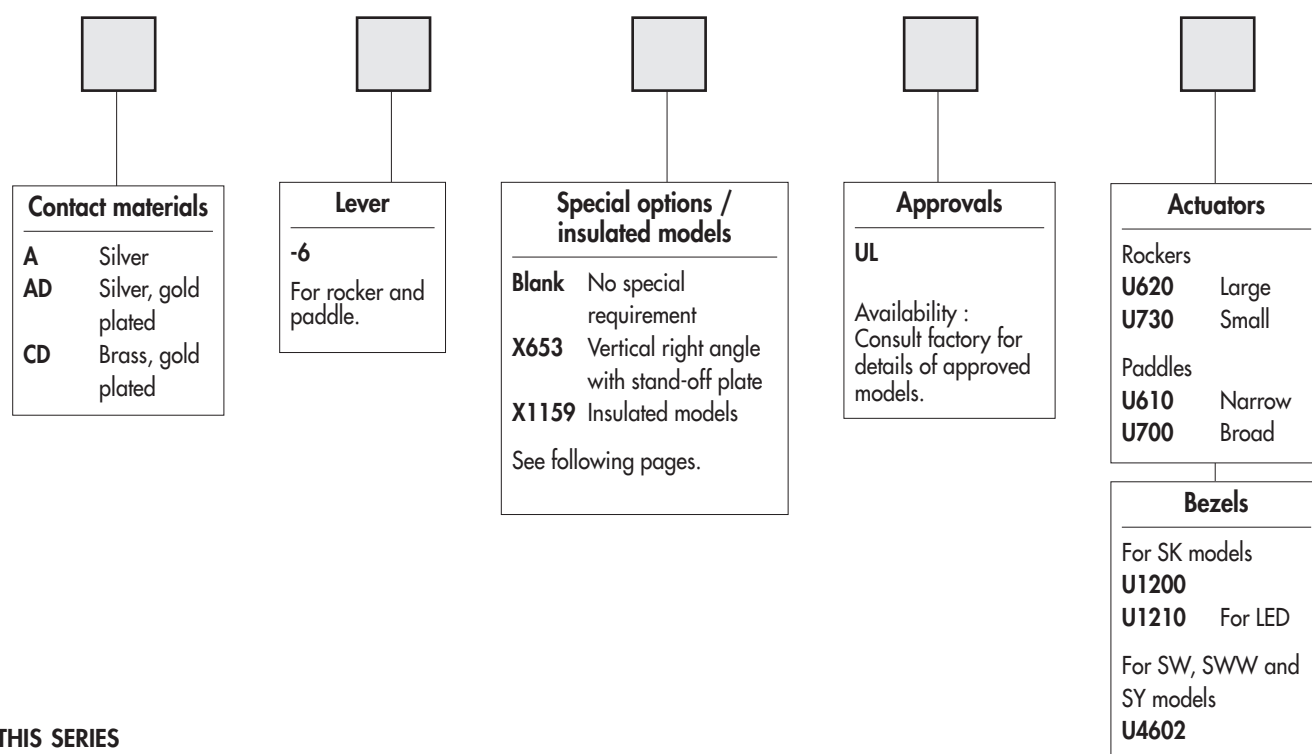
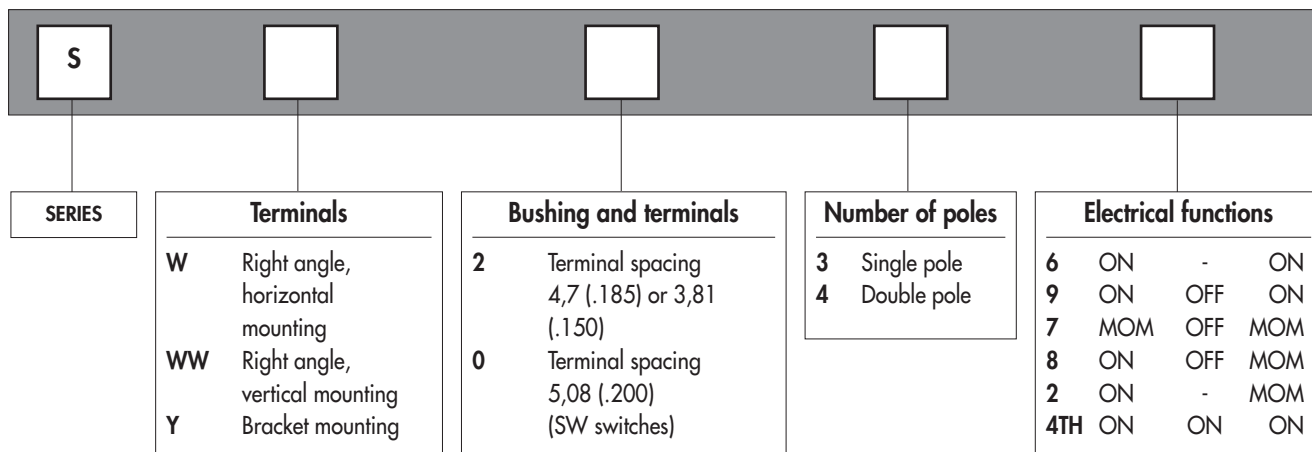
Availability : consult factory for details of approved models.

Marking : to order switches marked UL, complete appropriate box of ordering format.

S series

Washable rocker and paddle switches

Overview



ABOUT THIS SERIES

On the following pages, you will find successively :
 - model structure of switches
 - options in the same order as above
 Specifications are on previous page.

Dimensions : first dimensions are in mm while inches are shown as bracketed numbers.



NOTICE : please note that not all combinations of above numbers are available. Refer to the following pages for further information.

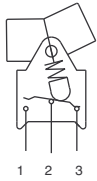


Packaging unit : 25 pieces to 50 pieces depending on models.

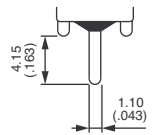
S series

Washable rocker and paddle switches

MODEL
STRUCTURE



- Straight PC or right angle terminals
- Models with snap-in mounting (SK)
- Terminal spacing 4,7 (.185) or 5,08 (.200) on SW switches
- 1 and 2 pole configurations



MODEL
STRUCTURE



Shown with rocker U620

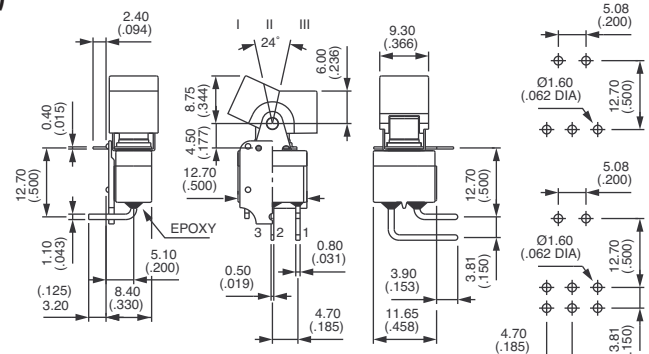
Right angle terminals - horizontal - spacing 4,7 (.185)



Single pole

Double pole

		III	II	I
SW236-6	SW246-6	ON	-	ON
SW239-6	SW249-6	ON	OFF	ON
SW237-6	SW247-6	MOM	OFF	MOM
SW238-6	SW248-6	ON	OFF	MOM
SW232-6	SW242-6	ON	-	MOM
	SW244TH-6*	ON	ON	ON



Single pole with stand-off plate, double pole without.

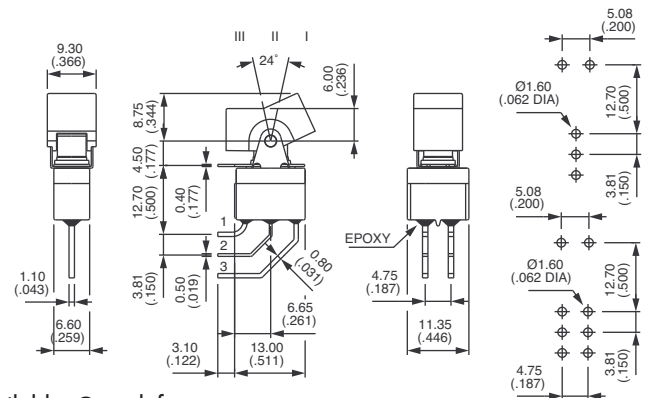
Right angle terminals - vertical



Single pole

Double pole

		III	II	I
SWW236-6	SWW246-6	ON	-	ON
SWW239-6	SWW249-6	ON	OFF	ON
SWW237-6	SWW247-6	MOM	OFF	MOM
SWW238-6	SWW248-6**	ON	OFF	MOM
SWW232-6	SWW242-6**	ON	-	MOM
	SWW244TH-6*	ON	ON	ON



** Functions 2 and 8 : reversed connection available. Consult factory.

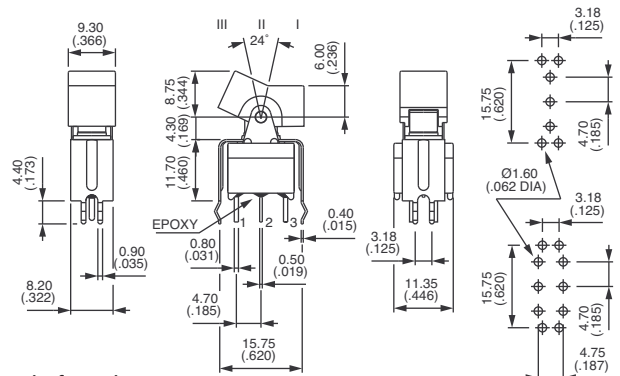
Bracket mounting



Single pole

Double pole

		III	II	I
SY236-6	SY246-6	ON	-	ON
SY239-6	SY249-6	ON	OFF	ON
SY237-6	SY247-6	MOM	OFF	MOM
SY238-6	SY248-6	ON	OFF	MOM
SY232-6	SY242-6	ON	-	MOM
	SY244TH-6*	ON	ON	ON



* Function 4 : SP in DP case - TH connection, see end of catalogue.

S series

Washable rocker and paddle switches

MODEL
STRUCTURE

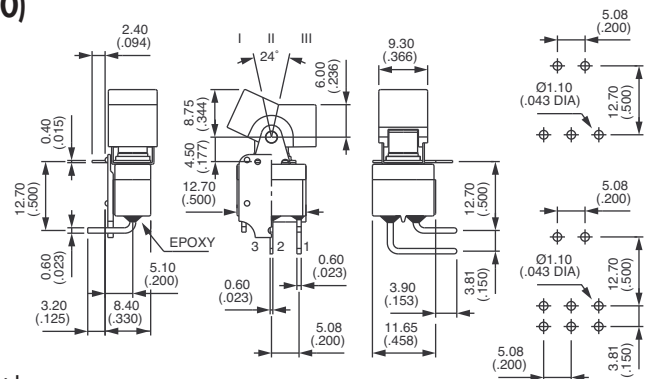
Right angle terminals - horizontal - spacing 5,08 (.200)



Single pole

Double pole

		III	II	I
SW036-6	SW046-6	ON	-	ON
SW039-6	SW049-6	ON	OFF	ON
SW037-6	SW047-6	MOM	OFF	MOM
SW038-6	SW048-6	ON	OFF	MOM
SW032-6	SW042-6	ON	-	MOM
	SW044TH-6*	ON	ON	ON



Single pole with stand-off plate, double pole without.

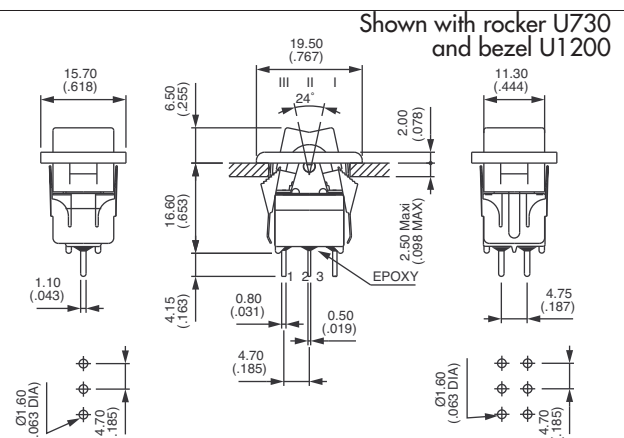
Straight PC terminals - snap-in mounting



Single pole

Double pole

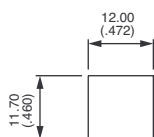
		III	II	I
SK236-6	SK246-6	ON	-	ON
SK239-6	SK249-6	ON	OFF	ON
SK237-6	SK247-6	MOM	OFF	MOM
SK238-6	SK248-6	ON	OFF	MOM
SK232-6	SK242-6	ON	-	MOM
	SK244TH-6*	ON	ON	ON



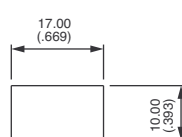
Shown with rocker U730 and bezel U1200

* Function 4 : SP in DP case - TH connection, see end of catalogue.

PANEL CUT-OUT

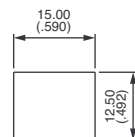


With rocker **U730**
or paddle **U700**



With rocker **U620**
or paddle **U610**

For SK only

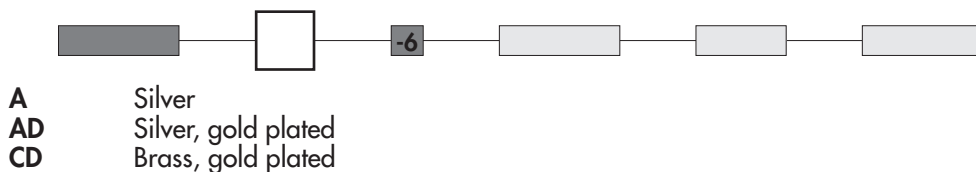




S series

Washable rocker and paddle switches

CONTACT MATERIALS



SPECIAL OPTIONS / INSULATED MODELS



X653 Vertical right angle with stand-off plate

Shown with rocker U620

	III	II	I
Single pole			
SWW236-6 X653	ON	-	ON
SWW239-6 X653	ON	OFF	ON
SWW237-6 X653	MOM	OFF	MOM
SWW238-6 X653	ON	OFF	MOM
SWW232-6 X653	ON	-	MOM
Double pole			
SWW246-6 X653	ON	-	ON
SWW249-6 X653	ON	OFF	ON
SWW247-6 X653	MOM	OFF	MOM
SWW248-6 X653**	ON	OFF	MOM
SWW242-6 X653**	ON	-	MOM
SWW244TH-6 X653*	ON	ON	ON

* Function 4 : SP in DP case - TH connection, see end of catalogue.
** Functions 2 and 8 : reversed connection available. Consult factory.

X601 Silver plated brass contacts

Current/voltage rating for an electrical life of 20.000 cycles : 0,5A 30VDC
Minimum quantity : 5.000 per type and shipment.

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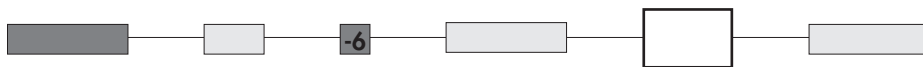
APEM



S series

Washable rocker and paddle switches

AGENCY APPROVAL

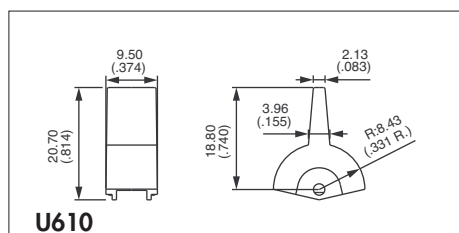
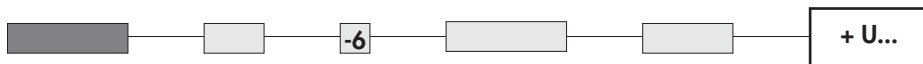


UL

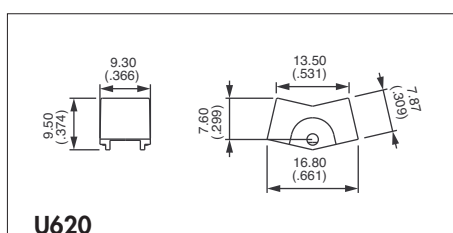
Availability : consult factory for details of approved models.

Marking : to order switches marked with the UL symbol, complete above box with "UL".
Blank : no agency approval required.

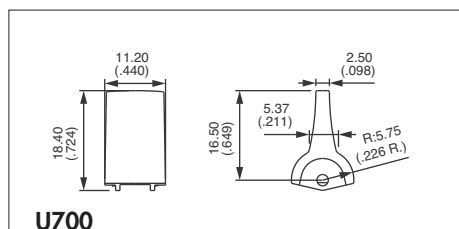
ACTUATORS



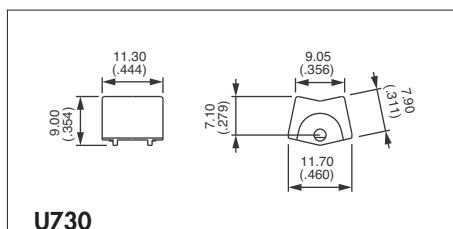
Narrow paddle



Large rocker



Broad paddle



Small rocker

Actuator colours

Replace last "0" by number

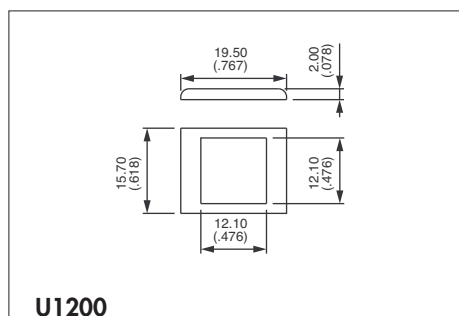
- | | |
|-----|-----------|
| 1 | blue |
| 1/4 | dark blue |
| 2 | black |
| 3 | green |
| 4 | grey |
| 5 | yellow |
| 6 | red |
| 7 | ivory |
| 7/1 | white |
| 9 | orange |



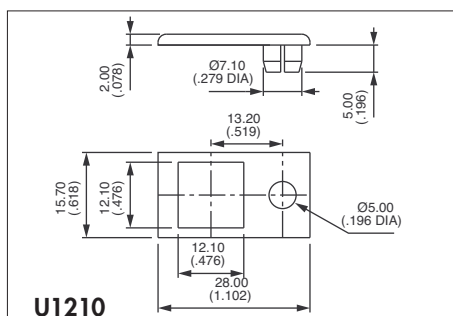
U610 and U620 not available on SK models

Bezels for SK model (snap-in)

Add bezel part number to actuator part number.

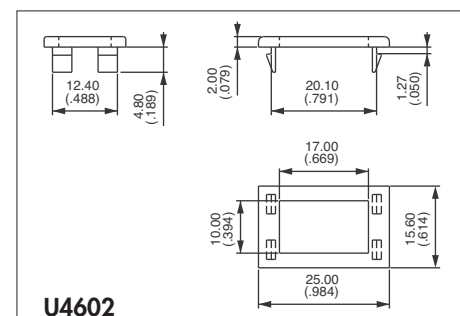


Bezel



Bezel for LED Ø 5 (.196) - not supplied

Bezel for SW - SWW and SY models

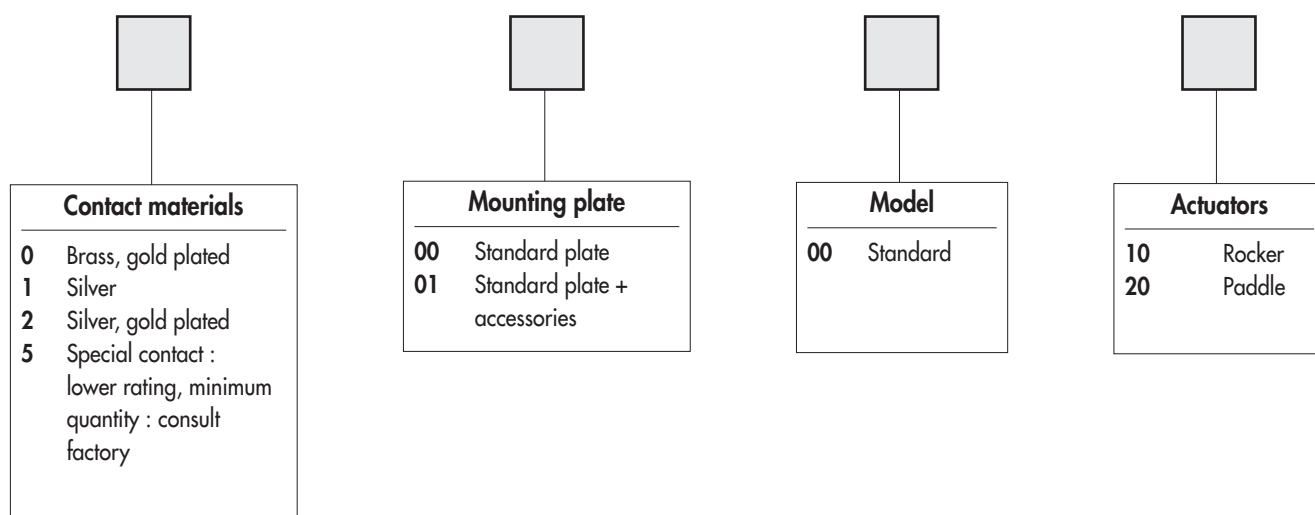
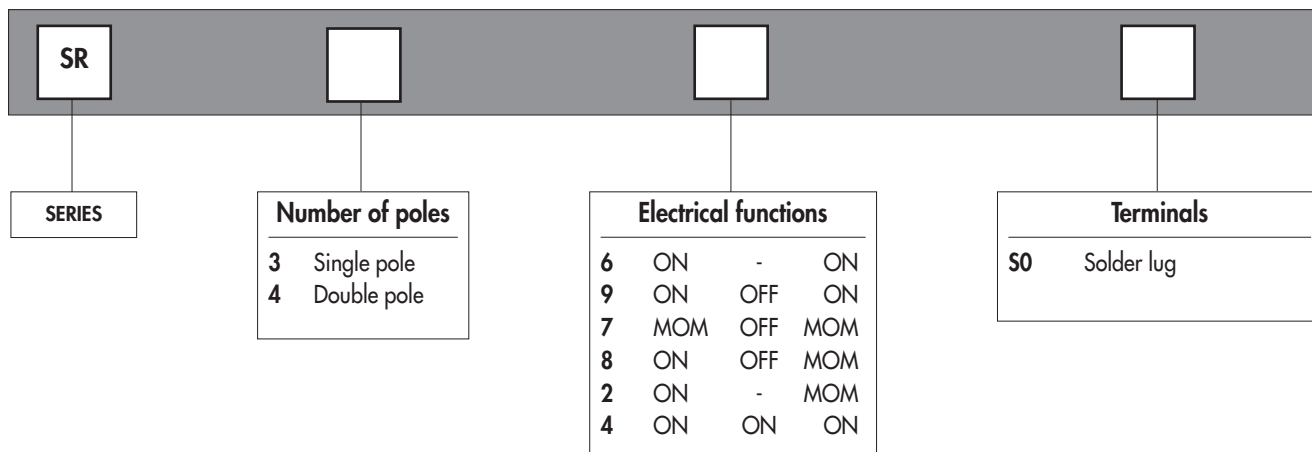


Black bezel - for rocker U620 only

SR series

Washable rocker and paddle switches

Overview



ABOUT THIS SERIES

On the following pages, you will find successively :

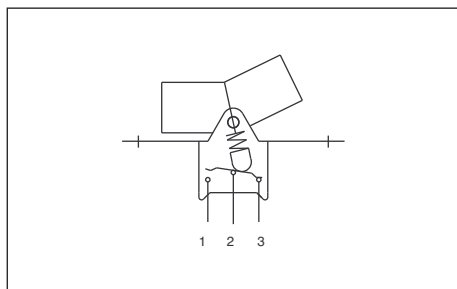
- model structure of switches
- options in the same order as above

Specifications are at the beginning of this section (S and SR series).

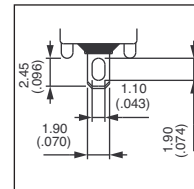
Dimensions : first dimensions are in mm while inches are shown as bracketed numbers.



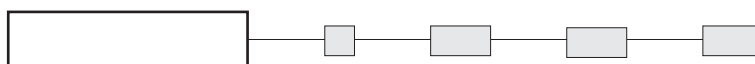
Packaging unit : 20 pieces.



- 1 and 2 pole configurations
- Iron soldering 300°C max. 5 seconds max.



MODEL STRUCTURE



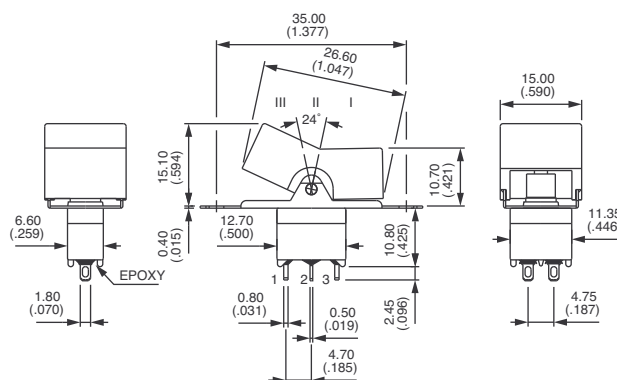
Shown with standard mounting plate (code 00)

Solder lug terminals



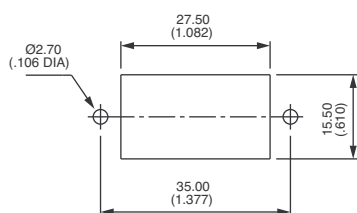
Single pole Double pole

SR3650	SR4650	ON	-	ON
SR3950	SR4950	ON	OFF	ON
SR3750	SR4750	MOM	OFF	MOM
SR3850	SR4850	ON	OFF	MOM
SR3250	SR4250	ON	-	MOM
	SR4450*	ON	ON	ON



* Function 4 : SP in DP case - TH connection, see end of catalogue.

PANEL CUT-OUT



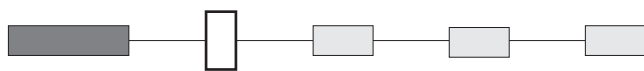
SR series

Washable rocker and paddle switches

OPTIONS

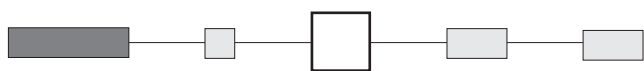


CONTACT MATERIALS

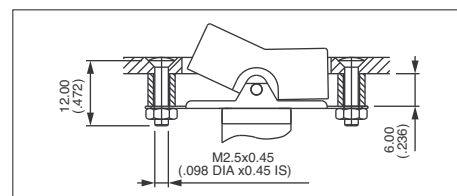


- 0 Brass, gold plated
- 1 Silver
- 2 Silver, gold plated
- 5 Special contact, lower rating, minimum quantity : consult factory.

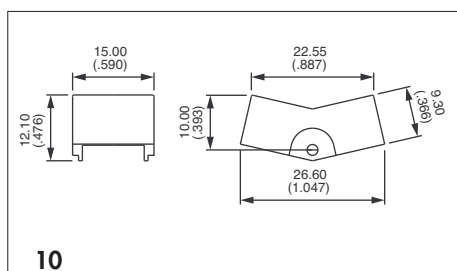
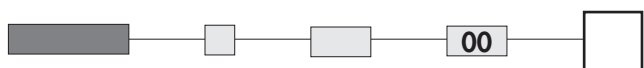
MOUNTING PLATE



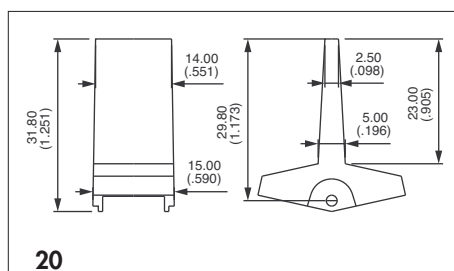
- 00 Standard mounting plate
- 01 Standard mounting plate + mounting accessories (spacers, screws and nuts)



ACTUATORS



Rocker



Paddle

Actuator colours

Replace "0" by number

- 1 blue
- 1/4 dark blue
- 2 black
- 3 green
- 4 grey
- 5 yellow
- 6 red
- 7 ivory
- 7/1 white
- 9 orange

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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