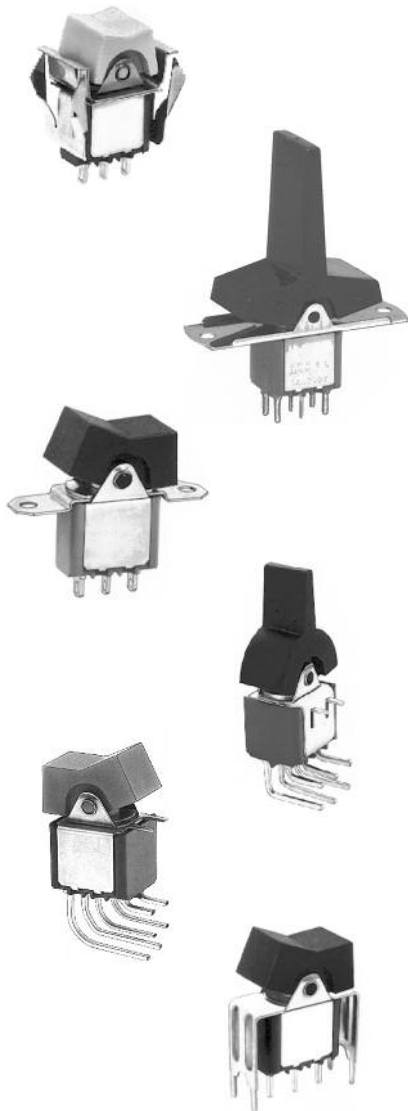


7000 series

Rocker and paddle switches

Distinctive features



☐ **Wide variety of actuators**

Rockers and paddles in different sizes
Available in 10 different colours
Two bezel types

☐ **4 terminal types**

Solder lugs
Quick-connect terminals
Straight or right angle PC terminals

☐ **Many mounting styles for panel or PCB**

Snap-in
By plate and screw
PCB mounting with or without bracket

☐ **4 contact materials**

Silver and gold plated silver
Gold plated and silver plated brass

☐ **8 electrical functions, maintained or momentary**

☐ **UL and CSA approved - for VDE refer to 57000**

7000 series

Rocker and paddle switches

Specifications

ELECTRICAL SPECIFICATIONS

- Current/voltage rating with resistive load :

Contact	Maximum	Minimum	Level *
Silver A	4A 30VDC	50mA 10VDC	III and IV
Silver, gold plated AD	4A 30VDC Gold plating withstands up to 100mA 30VDC.	10mA 50mV 10µA 5V	I to IV
Brass, gold plated CD	0,4 VA at 20VAC or DC	10mA 50mV 10µA 5V	I and II

- For inductive, lamp or capacitive loads, consult factory.
- Initial contact resistance : 10 mΩ
- Insulation resistance : 1.000 MΩ min. at 500VDC
- Dielectric strength :
 - 1.000 Vrms 50 Hz min. between terminals
 - 1.500 Vrms 50 Hz min. between poles
 - 1.500 Vrms 50 Hz min. between terminals and frame
- Contact bounce : 2 ms max.
- Electrical life : 50.000 cycles at full load

* For details, see technical information, end of catalogue.

MATERIALS

- Case : diallylphthalate (DAP) or high temperature plastic material (UL94-V0)
- Actuator : polyamide
- Housing : stainless steel or steel tin plated
- Bracket : steel, tin plated
- Contacts
 - A : silver
 - AD : silver, gold plated
 - CD : brass, gold plated
- Terminal seal : epoxy

GENERAL SPECIFICATIONS

- Low level or mechanical life : 100.000 cycles
- Panel thickness : 1 (.039) to 2,5 mm(.098)
- Operating temperature : -40°C to +85°C

AGENCY APPROVALS



3A 250VAC
6A 125VAC

For VDE, refer to 57000 series.

Availability : consult factory for details of approved models.

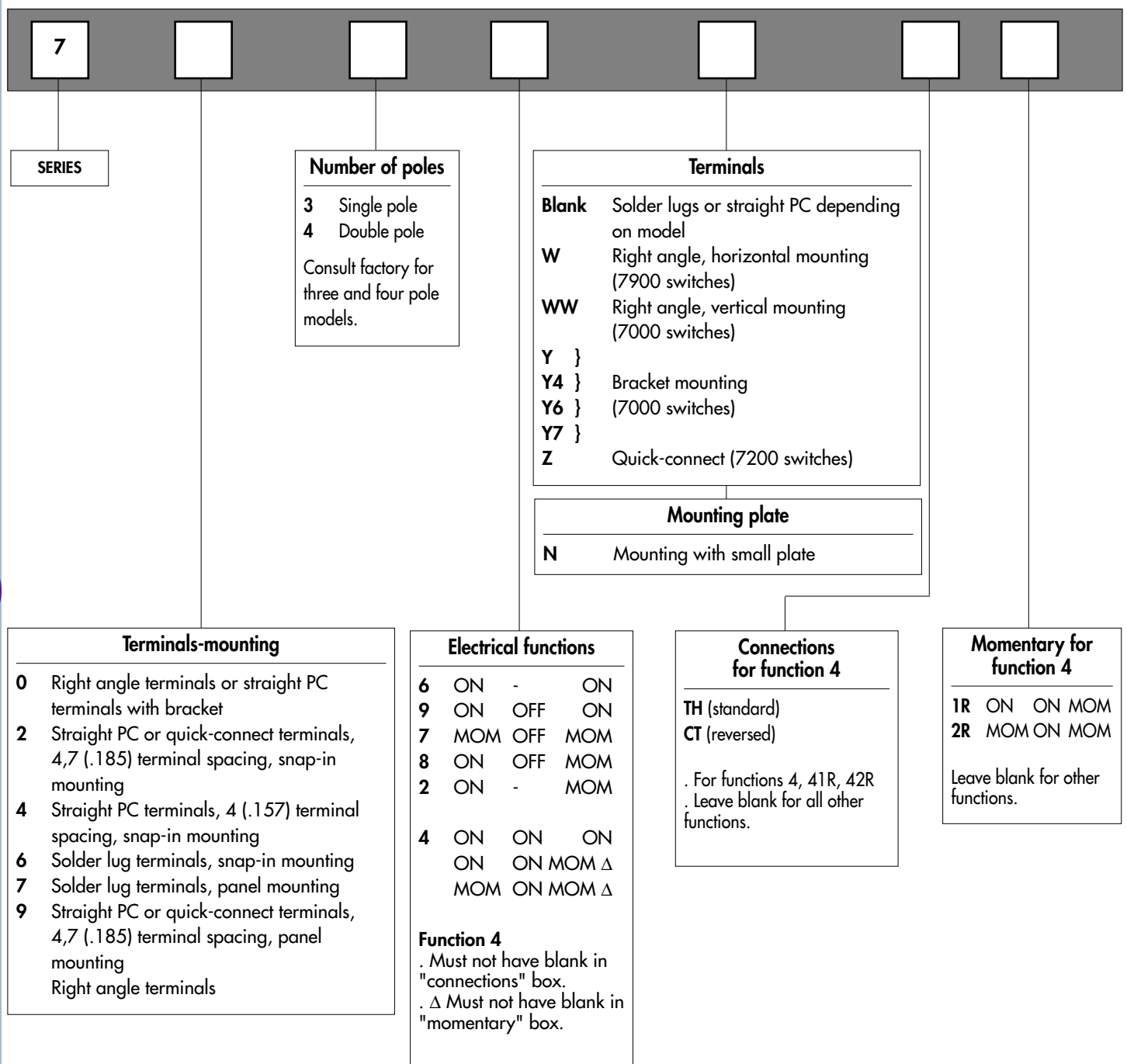
Marking : to order switches marked UL or CSA, complete appropriate box of ordering format.

7000 series

Rocker and paddle switches

Overview

MODEL
STRUCTURE



ABOUT THIS SERIES

On the following pages, you will find successively :

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

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



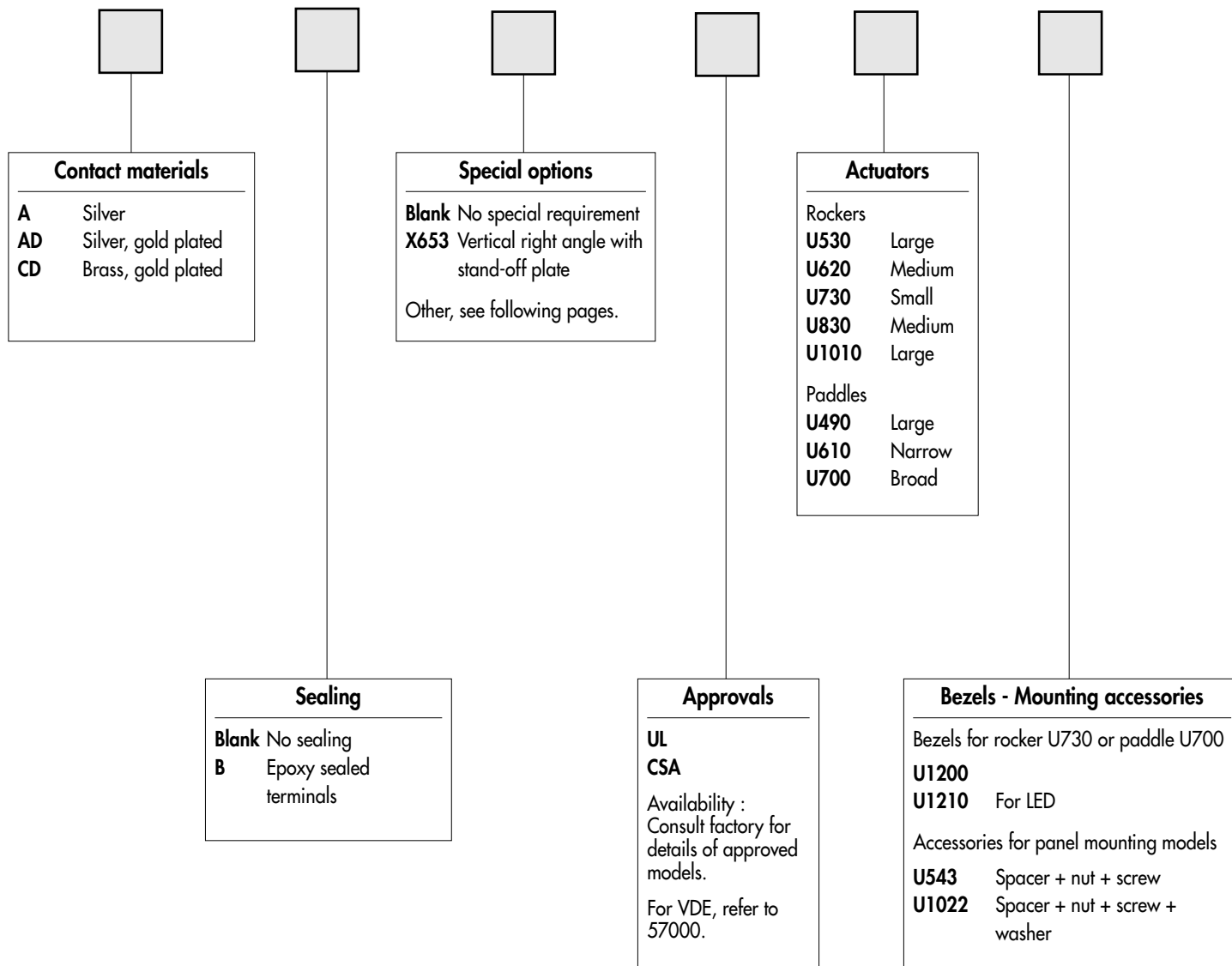
NOTICE : please note that not all combinations of above numbers are available. Refer to the following pages for further information.



7000 series

Rocker and paddle switches

Overview



Packaging unit : 25 pieces.

7000 series

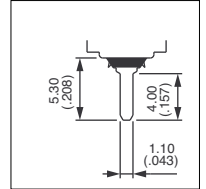
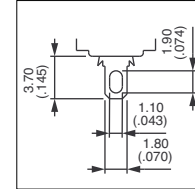
Rocker and paddle switches

Snap-in mounting : 7600 - 7200 - 7400

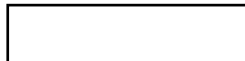
MODEL
STRUCTURE



- Solder lug or straight PC terminals
- Epoxy sealing standard on models with straight PC terminals



MODEL
STRUCTURE



Shown with rocker U730 and bezel U1200

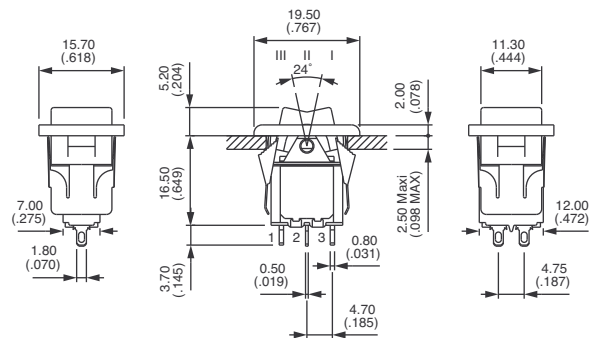
Solder lug terminals : 7600



Single pole Double pole

7636	7646
7639	7649
7637	7647
7638	7648
7632	7642
	7644*
	7644 1R*
	7644 2R*

III	II	I
2-3		1-2
5-6		4-5
ON	-	ON
ON	OFF	ON
MOM	OFF	MOM
ON	OFF	MOM
ON	-	MOM
ON	ON	ON
ON	ON	MOM
MOM	ON	MOM



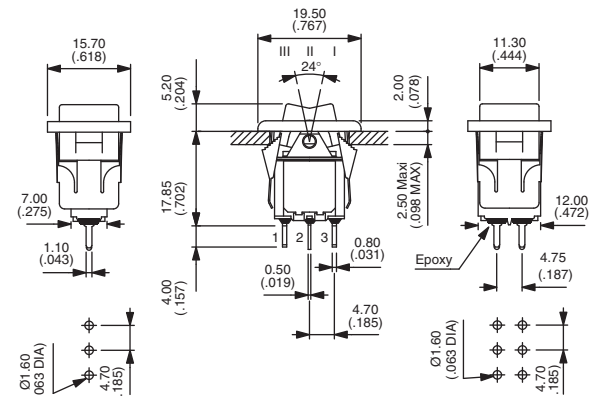
Straight PC terminals - spacing 4,7 (.185) : 7200



Single pole Double pole

7236 B	7246 B
7239 B	7249 B
7237 B	7247 B
7238 B	7248 B
7232 B	7242 B
	7244 B*
	7244 1R B*
	7244 2R B*

III	II	I
2-3		1-2
5-6		4-5
ON	-	ON
ON	OFF	ON
MOM	OFF	MOM
ON	OFF	MOM
ON	-	MOM
ON	ON	ON
ON	ON	MOM
MOM	ON	MOM



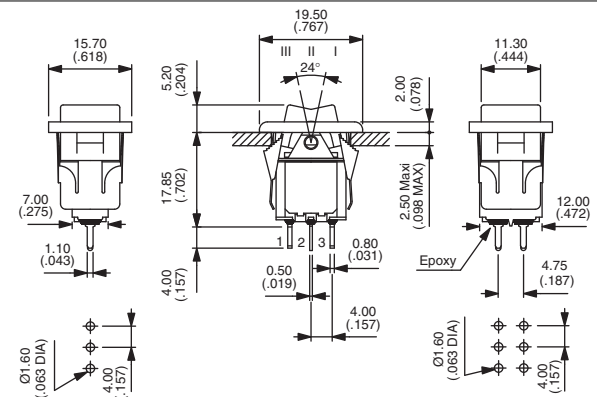
Straight PC terminals - spacing 4 (.157) : 7400



Single pole Double pole

7436 B	7446 B
7439 B	7449 B
7437 B	7447 B
7438 B	7448 B
7432 B	7442 B
	7444 B*
	7444 1R B*
	7444 2R B*

III	II	I
2-3		1-2
5-6		4-5
ON	-	ON
ON	OFF	ON
MOM	OFF	MOM
ON	OFF	MOM
ON	-	MOM
ON	ON	ON
ON	ON	MOM
MOM	ON	MOM



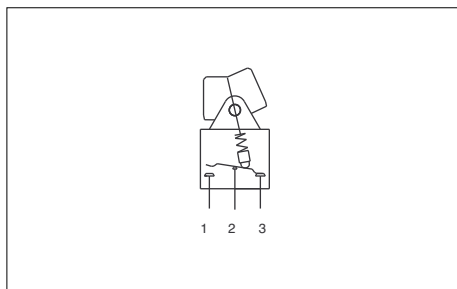
* Function 4 : SP in DP case - specify CT or TH connections, see end of catalogue.



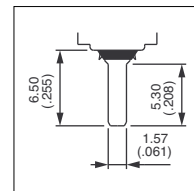
7000 series

Rocker and paddle switches

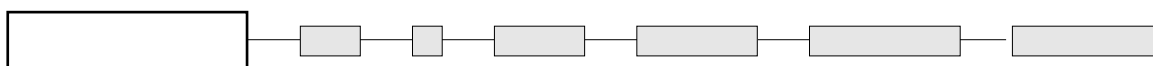
Snap-in mounting : 7200Z



- Quick-connect terminals



MODEL
STRUCTURE



Shown with rocker U730 and bezel U1200

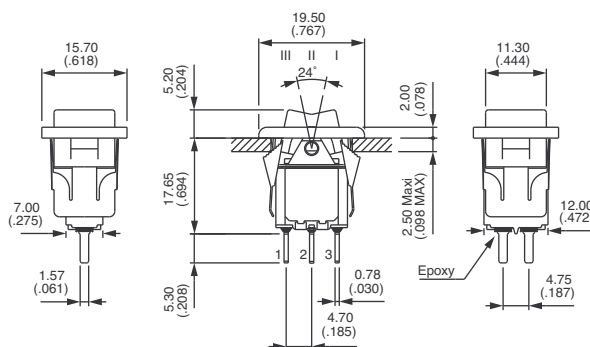
Quick-connect terminals : 7200Z



Single pole Double pole

7236Z 7246Z
7239Z 7249Z
7237Z 7247Z
7238Z 7248Z
7232Z 7242Z
7244Z*
7244Z 1R*
7244Z 2R*

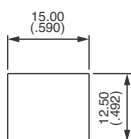
III	II	I
2-3		1-2
5-6		4-5
ON	-	ON
ON	OFF	ON
MOM	OFF	MOM
ON	OFF	MOM
ON	-	MOM
ON	ON	ON
ON	ON	MOM
MOM	ON	MOM



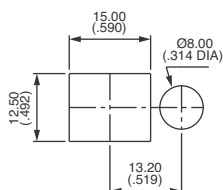
* Function 4 : SP in DP case - specify CT or TH connections, see end of catalogue.

PANEL CUT-OUT

7600 - 7200 - 7400 - 7200Z



With or without bezel U1200



With bezel U1210

7000 series

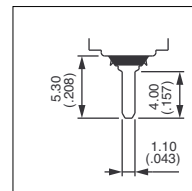
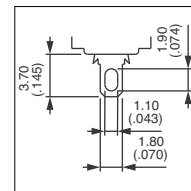
Rocker and paddle switches

Panel mounting : 7700 - 7900

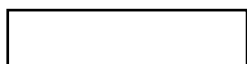
MODEL
STRUCTURE



- Large rocker or paddle
- Solder lug or straight PC terminals
- Quick-connect terminals : on request
- Epoxy sealing standard on models with straight PC terminals



MODEL
STRUCTURE



Shown with rocker U530

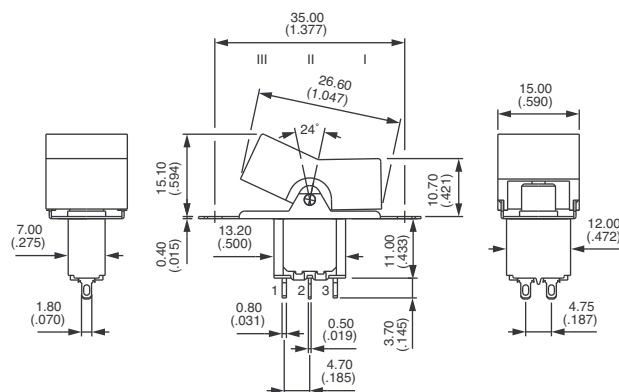
Solder lug terminals : 7700



Single pole Double pole

7736 7746
7739 7749
7737 7747
7738 7748
7732 7742
7744*
7744 1R*
7744 2R*

III	II	I
2-3		1-2
5-6		4-5
ON	-	ON
ON	OFF	ON
MOM	OFF	MOM
ON	OFF	MOM
ON	-	MOM
ON	ON	ON
ON	ON	MOM
MOM	ON	MOM



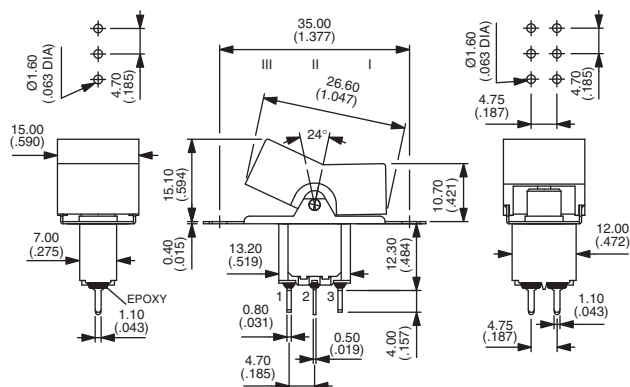
Straight PC terminals : 7900



Single pole Double pole

7936 B 7946 B
7939 B 7949 B
7937 B 7947 B
7938 B 7948 B
7932 B 7942 B
7944 B*
7944 1R B*
7944 2R B*

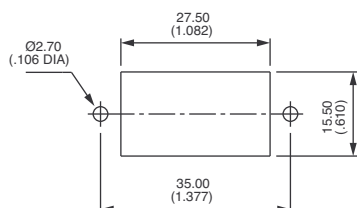
III	II	I
2-3		1-2
5-6		4-5
ON	-	ON
ON	OFF	ON
MOM	OFF	MOM
ON	OFF	MOM
ON	-	MOM
ON	ON	ON
ON	ON	MOM
MOM	ON	MOM



* Function 4 : SP in DP case - specify CT or TH connections, see end of catalogue.

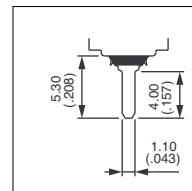
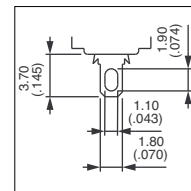
PANEL CUT-OUT

7700 - 7900

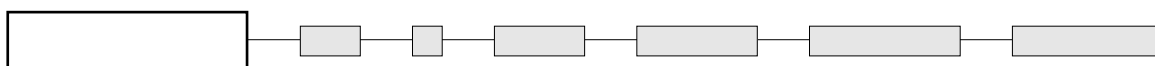




- Small or medium rocker or paddle
- Solder lug or straight PC terminals
- Quick-connect terminals : on request
- Epoxy sealing standard on models with straight PC terminals



MODEL
STRUCTURE



Shown with rocker U620

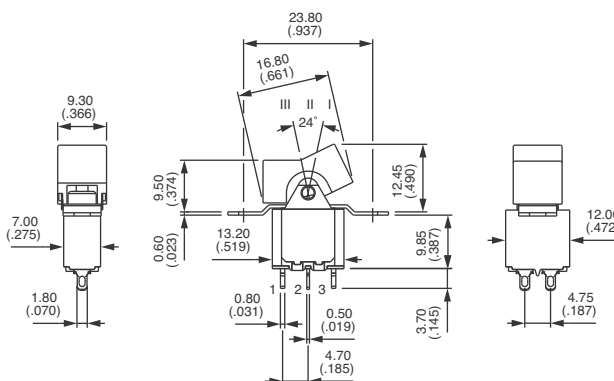
Solder lug terminals : 7700N



Single pole Double pole

7736N 7746N
7739N 7749N
7737N 7747N
7738N 7748N
7732N 7742N
7744N*
7744N 1R*
7744N 2R*

III	II	I
2-3		1-2
5-6		4-5
ON	-	ON
ON	OFF	ON
MOM	OFF	MOM
ON	OFF	MOM
ON	-	MOM
ON	ON	ON
ON	ON	MOM
MOM	ON	MOM



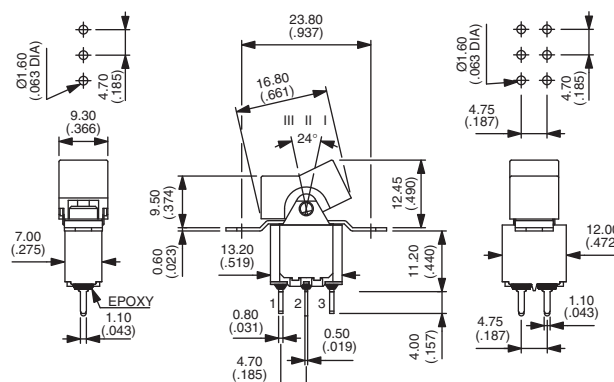
Straight PC terminals : 7900N



Single pole Double pole

7936N B 7946N B
7939N B 7949N B
7937N B 7947N B
7938N B 7948N B
7932N B 7942N B
7944N B*
7944N 1R B*
7944N 2R B*

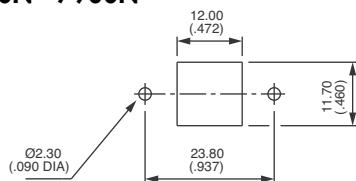
III	II	I
2-3		1-2
5-6		4-5
ON	-	ON
ON	OFF	ON
MOM	OFF	MOM
ON	OFF	MOM
ON	-	MOM
ON	ON	ON
ON	ON	MOM
MOM	ON	MOM



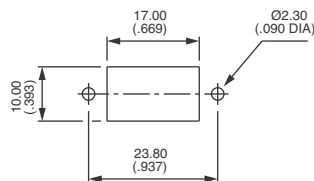
* Function 4 : SP in DP case - specify CT or TH connections, see end of catalogue.

PANEL CUT-OUT

7700N - 7900N

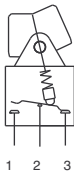


With small rocker **U730**
or small paddle **U700**



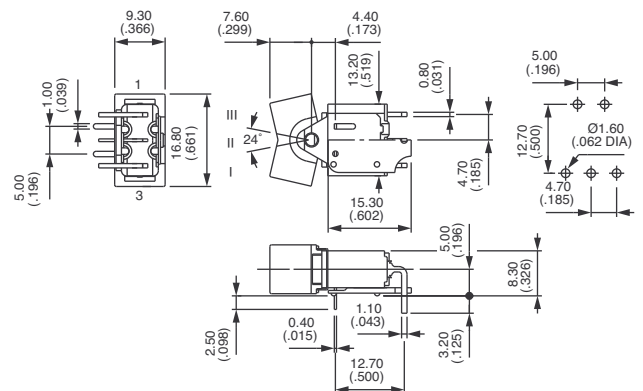
With medium rocker **U620**
or medium paddle **U610**

Right angle terminals - horizontal : 7900W

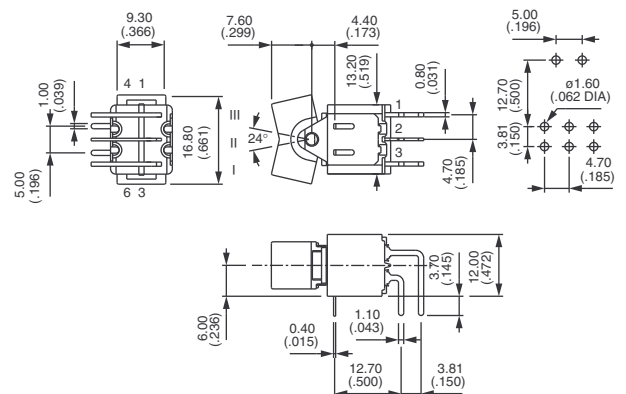


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III	II	I
2-3		1-2
ON	-	ON
ON	OFF	ON
MOM	OFF	MOM
ON	OFF	MOM
ON	-	MOM



III	II	I
2-3		1-2
5-6		4-5
ON	-	ON
ON	OFF	ON
MOM	OFF	MOM
ON	OFF	MOM
ON	-	MOM
ON	ON	ON
ON	ON	MOM
MOM	ON	MOM



** Functions 2 and 8 : standard connection (CT) shown on drawing - reversed connection available. Consult factory.

A schematic diagram of a rectangular block. The top horizontal dimension is labeled 12.00 (.472). The right vertical dimension is labeled 11.70 (.460). The block is represented by a rectangle with these dimensions indicated by arrows and dimension lines.

A diagram of a rectangular box. The height is labeled as 10.00 (.393) and the width is labeled as 17.00 (.669).

APEM



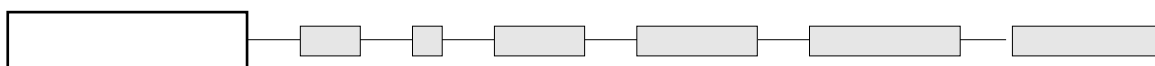
7000 series

Rocker and paddle switches

Right angle terminals - vertical : 7000WW



MODEL
STRUCTURE



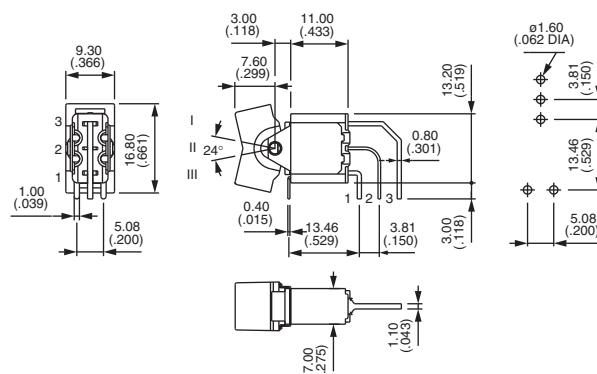
Shown with rocker U830

Single pole



7036WW
7039WW
7037WW
7038WW**
7032WW**

III	II	I
2-3		1-2
ON	-	ON
ON	OFF	ON
MOM	OFF	MOM
ON	OFF	MOM
ON	-	MOM

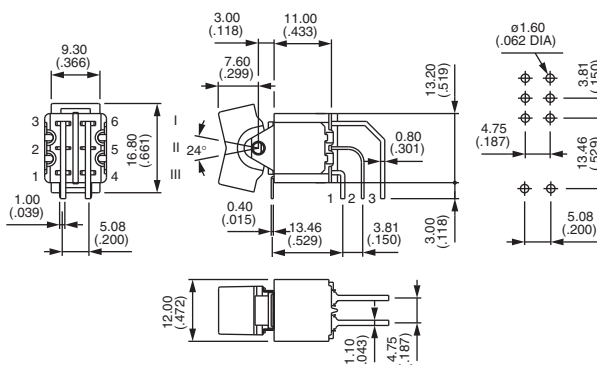


Double pole



7046WW
7049WW
7047WW
7048WW**
7042WW**
7044WW*
7044WW 1R*
7044WW 2R*

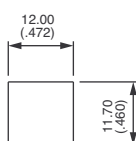
III	II	I
2-3		1-2
5-6		4-5
ON	-	ON
ON	OFF	ON
MOM	OFF	MOM
ON	OFF	MOM
ON	-	MOM
ON	ON	ON
ON	ON	MOM
MOM	ON	MOM



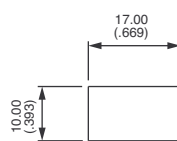
* Function 4 : SP in DP case - specify CT or TH connections, see end of catalogue.

** Functions 2 and 8 : standard connection (CT) shown on drawing - reversed connection available. Consult factory.

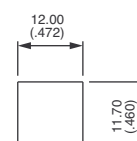
PANEL CUT-OUT



With small rocker **U730**



With medium rocker **U830**



With broad paddle **U700**

7000 series

Rocker and paddle switches

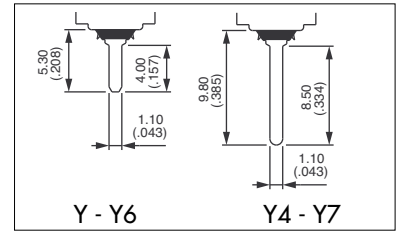
Straight PC terminals - bracket mounting : 7000Y

MODEL
STRUCTURE

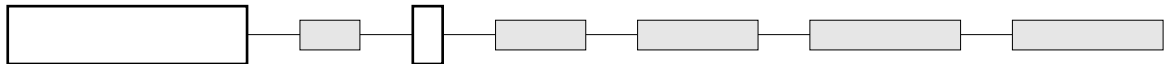


Brackets reduce mechanical stress on solder joints and increase the resistance to vibrations.

- Epoxy sealed terminals standard (B included in model structure)



MODEL
STRUCTURE



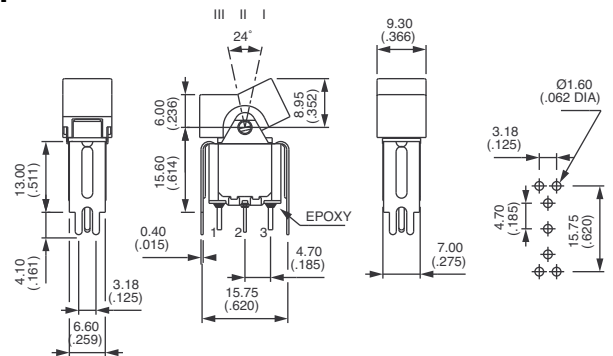
Shown with rocker U620

Short bracket - width 15,75 (.620) - single pole : 7030Y



7036Y B
7039Y B
7037Y B
7038Y B
7032Y B

III	II	I
2-3		1-2
5-6		4-5
ON	-	ON
ON	OFF	ON
MOM	OFF	MOM
ON	OFF	MOM
ON	-	MOM

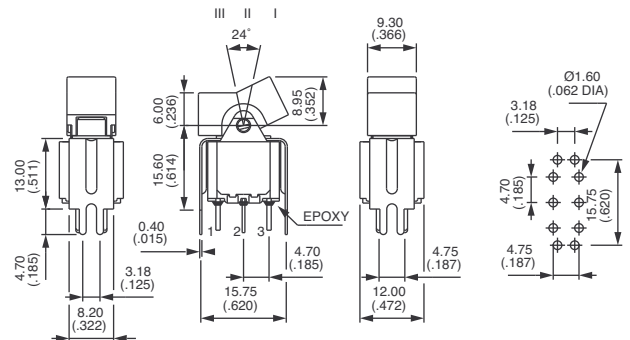


Short bracket - width 15,75 (.620) - double pole : 7040Y



7046Y B
7049Y B
7047Y B
7048Y B
7042Y B
7044Y* B
7044Y 1R* B
7044Y 2R* B

III	II	I
2-3		1-2
5-6		4-5
ON	-	ON
ON	OFF	ON
MOM	OFF	MOM
ON	OFF	MOM
ON	-	MOM
ON	ON	ON
ON	ON	MOM
MOM	ON	MOM



* Function 4 : SP in DP case - specify CT or TH connections, see end of catalogue.

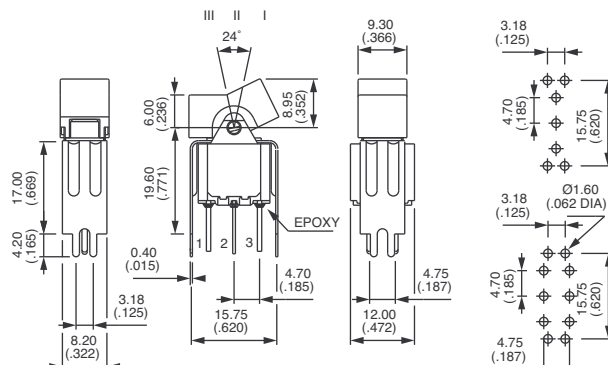
Tall bracket - width 15,75 (.620) : 7000Y4



Single pole Double pole

7036Y4 B	7046Y4 B	ON	-	ON
7039Y4 B	7049Y4 B	ON	OFF	ON
7037Y4 B	7047Y4 B	MOM	OFF	MOM
7038Y4 B	7048Y4 B	ON	OFF	MOM
7032Y4 B	7042Y4 B	ON	-	MOM
	7044Y4* B	ON	ON	ON
	7044Y4 1R* B	ON	ON	MOM
	7044Y4 2R* B	MOM	ON	MOM

III II I
2-3 1-2
5-6 4-5



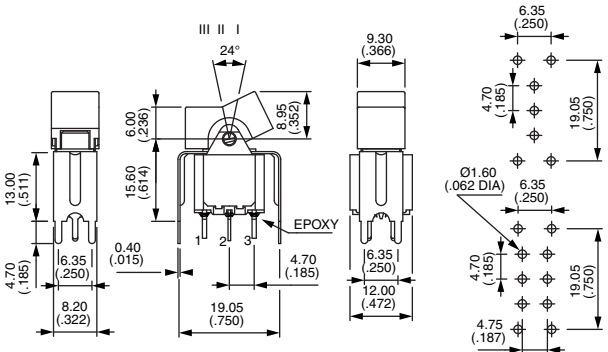
Short bracket - width 19,05 (.750) : 7000Y6



Single pole Double pole

7036Y6 B	7046Y6 B	ON	-	ON
7039Y6 B	7049Y6 B	ON	OFF	ON
7037Y6 B	7047Y6 B	MOM	OFF	MOM
7038Y6 B	7048Y6 B	ON	OFF	MOM
7032Y6 B	7042Y6 B	ON	-	MOM
	7044Y6* B	ON	ON	ON
	7044Y6 1R* B	ON	ON	MOM
	7044Y6 2R* B	MOM	ON	MOM

III II I
2-3 1-2
5-6 4-5



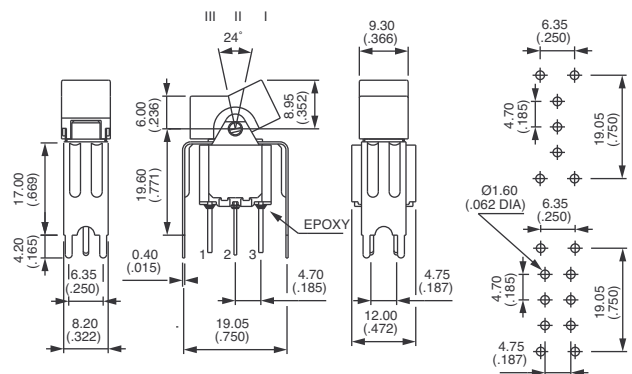
Tall bracket - width 19,05 (.750) : 7000Y7



Single pole Double pole

7036Y7 B	7046Y7 B	ON	-	ON
7039Y7 B	7049Y7 B	ON	OFF	ON
7037Y7 B	7047Y7 B	MOM	OFF	MOM
7038Y7 B	7048Y7 B	ON	OFF	MOM
7032Y7 B	7042Y7 B	ON	-	MOM
	7044Y7* B	ON	ON	ON
	7044Y7 1R* B	ON	ON	MOM
	7044Y7 2R* B	MOM	ON	MOM

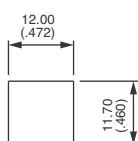
III II I
2-3 1-2
5-6 4-5



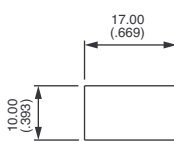
* Function 4 : SP in DP case - specify CT or TH connections, see end of catalogue.

PANEL CUT-OUT

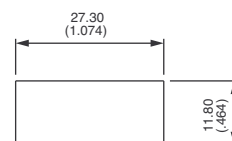
7000Y - Y4 - Y6 - Y7



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



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



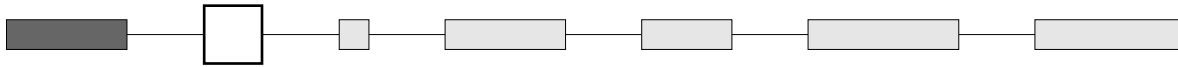
With large rocker **U1010**

7000 series

Rocker and paddle switches

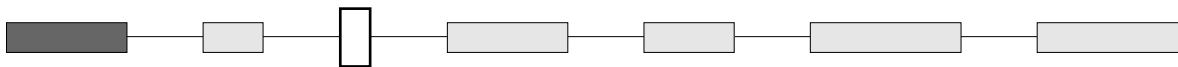
OPTIONS
● ● ●

CONTACT MATERIALS

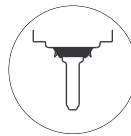


A Silver
AD Silver, gold plated
CD Brass, gold plated

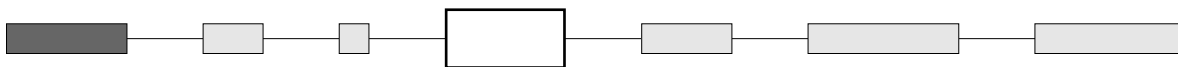
SEALING



Blank No sealing
B Epoxy sealed terminals



SPECIAL OPTIONS

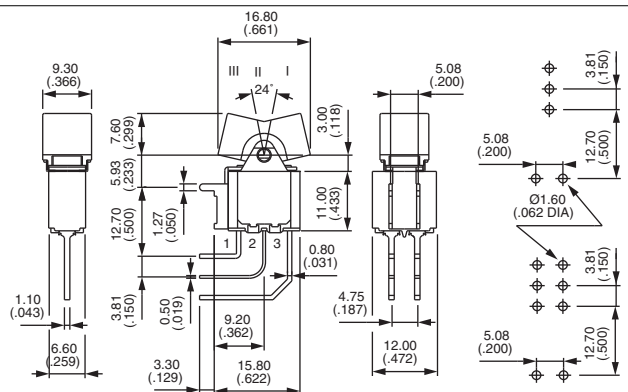


Blank No special requirement
X653 Vertical right angle with stand-off plate

Shown with rocker U620



	III	II	I
	2-3		1-2
	5-6		4-5
Single pole			
7036WW X653	ON	-	ON
7039WW X653	ON	OFF	ON
7037WW X653	MOM	OFF	MOM
7038WW X653	ON	OFF	MOM
7032WW X653	ON	-	MOM
Double pole			
7046WW X653	ON	-	ON
7049WW X653	ON	OFF	ON
7047WW X653	MOM	OFF	MOM
7048WW X653**	ON	OFF	MOM
7042WW X653**	ON	-	MOM
7044WW X653*	ON	ON	ON
7044 1RWW X653*	ON	ON	MOM
7044 2RWW X653*	MOM	ON	MOM



* Function 4 : SP in DP case - specify CT or TH connections, see end of catalogue.

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

Actuators for X653 : small rocker U730 and medium rocker U620, broad paddle U700 and narrow paddle U610.

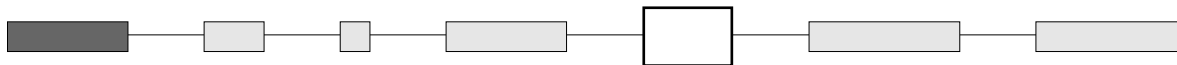
X601 Silver plated brass contacts
Current voltage rating for an electrical life of 20.000 cycles : 0,5A 30VDC
Minimum quantity : 5.000 pieces per model and shipment.



7000 series

Rocker and paddle switches

AGENCY APPROVALS



UL
CSA

All standard models

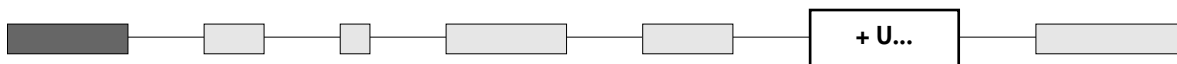
Availability : consult factory for details of approved combinations or options.

Marking : to order switches marked UL or CSA, complete above box with desired approvals in this order, without space (ex. ULCSA). Blank : no agency approval required.

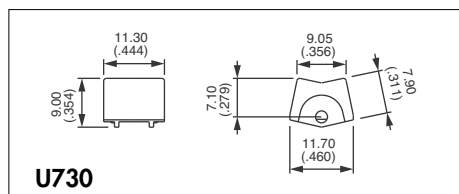
VDE (with UL & CSA)

Refer to **57000** series on the following pages.

ACTUATORS

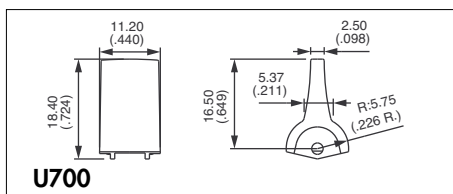


For snap-in mounting models : 7600 - 7200 - 7400 - 7200Z



U730

Small rocker

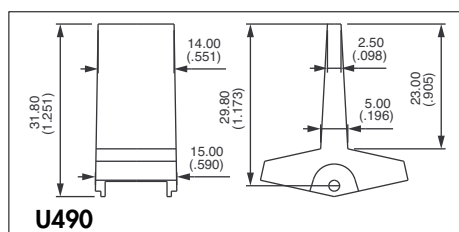


U700

Broad paddle

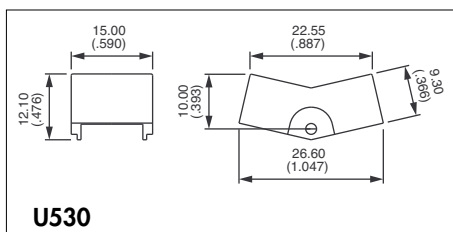
Actuator colours	
Replace last "0" by number	
1	blue
1/4	dark blue
2	black
3	green
4	grey
5	yellow
6	red
7	ivory
7/1	white
9	orange

For 7700 and 7900 models



U490

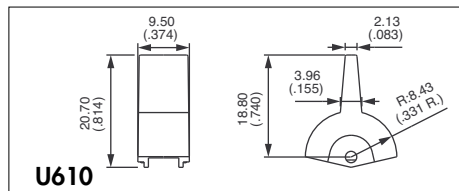
Large paddle



U530

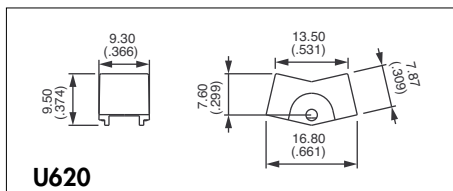
Large rocker

For 7700N - 7900N - 7900W - 7000WWX653 and 7000Y models



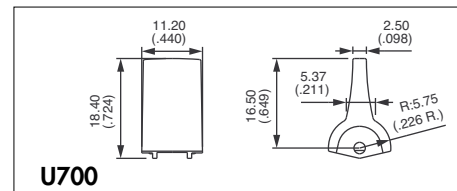
U610

Narrow paddle



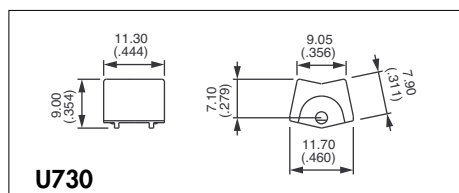
U620

Medium rocker



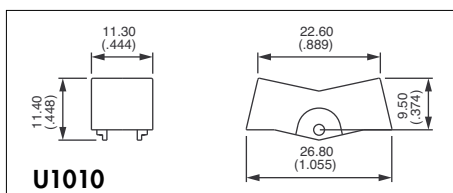
U700

Broad paddle



U730

Small rocker



U1010

Large rocker
For 7900W, available on DP only.

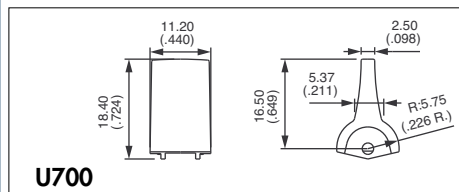
7000 series

Rocker and paddle switches

OPTIONS

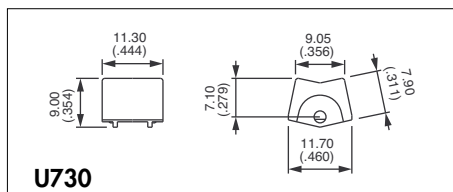
ACTUATORS (continued)

For 7000WW models



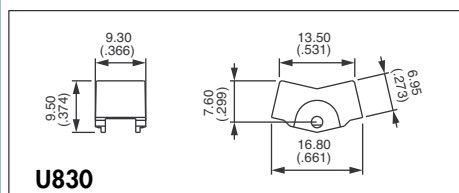
U700

Broad paddle



U730

Small rocker



U830

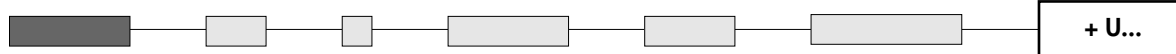
Medium rocker

Actuator colours

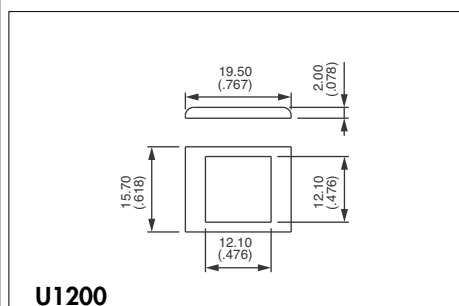
Replace last "0" by number

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

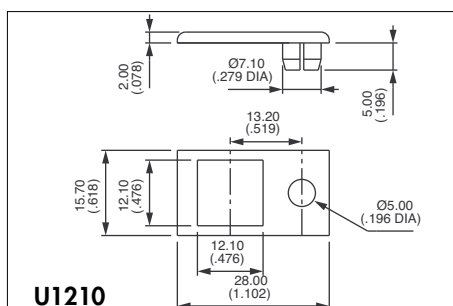
BEZELS - MOUNTING ACCESSORIES



Bezels for paddle U700 and rocker U730



U1200



U1210

For LED Ø 5 (.196) - not supplied

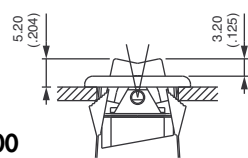
Bezel colours

Replace last "0" by number

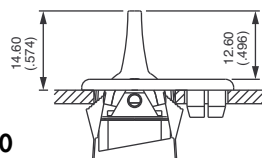
- | | |
|-----|-----------|
| 1 | blue |
| 1/4 | dark blue |
| 2 | black |
| 3 | green |
| 4 | grey |
| 5 | yellow |
| 6 | red |
| 7 | ivory |
| 7/1 | white |
| 9 | orange |

STANDARD PANEL MOUNTING

Panel thickness with bezel 1 to 2,5 mm (.039 to .098)

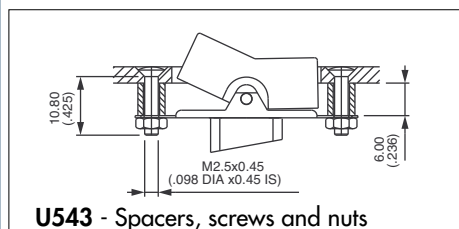


U730 + U1200



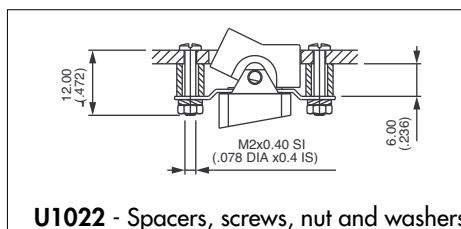
U700 + U1210

Mounting accessories



U543 - Spacers, screws and nuts

For rocker U530 or paddle U490



U1022 - Spacers, screws, nut and washers

For rockers U620 or U730
For paddles U610 or U700