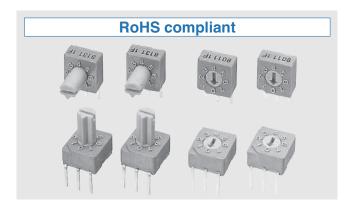
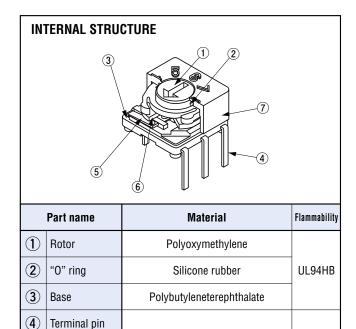
S-8000



■ FEATURES

- RoHS compliant
- 3 bits 8 positions type
- Protection against dust and washable after soldering
- DIP-pin configuration: 2.54 mm pitch



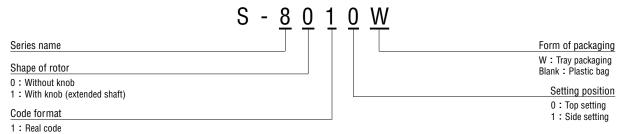
Copper alloy, Gold-plated

Gold-plated epoxy board

Polybutyleneterephthalate

UL94HB

PART NUMBER DESIGNATION



Terminal pin

Contact P.C.B.

Housing

(5)

(6)

3: Complementary code

■ LIST OF PART NUMBERS

Shape			Binary		
		Form of packaging	orm of packaging Real code Complemental		Pieces in package
Top setting Without With k	Without knob	Tray packaging	S-8010W	S-8030W	50 pcs./tray
	WILLIOUT KNOD	Plastic bag	S-8010	S-8030	100 pcs./pack
	With knob	Tray packaging	S-8110W	S-8130W	50 pcs./tray
		Plastic bag	S-8110	S-8130	100 pcs./pack
Side setting Without With k	Without knob	Tray packaging	S-8011W	S-8031W	50 pcs./tray
	Willioul Kilob	Plastic bag	S-8011	S-8031	100 pcs./pack
	With knob	Tray packaging	S-8111W	S-8131W	50 pcs./tray
		Plastic bag	S-8111	S-8131	100 pcs./pack

^{*} Verify the above part numbers when placing orders. Tray version can be supplied only in tray units.

■ STANDARD SPECIFICATIONS

Circuit type	BCO (Real code, complementary code)		
Operating temperature range	−25 ~ 70 °C		
Storage temperature range	-25 ~ 70 G		
Sealing	Washable by "O" ring Release refer to page 150,151		
Net weight	Approx. 0.27 g (S-8010, S-8030) Approx. 0.34 g (S-8110, S-8130) Approx. 0.33 g (S-8011, S-8031) Approx. 0.40 g (S-8111, S-8131)		

■ ELECTRICAL CHARACTERISTICS

Contact rating Non-switching Switching Minimum	DC50 V 100 mA DC5 V 100 mA DC20 mV 1 µA		
Contact resistance	100 mΩ maximum		
Insulation resistance	1000 MΩ (DC100 V) minimum		
Dielectric strength	AC250 V, 60 s		

■ MECHANICAL CHARACTERISTICS

No. of positions	8			
Adjustment torque	36 mN·m {367 gf·cm} maximum			
Stepping angle	45°			
Terminal strength	10 N {1.02 kgf} minimum			
Solderability	245 ± 3 °C, 2 ~ 3 s			
Soldering heat	Flow: 260 ± 3 °C as the temperature in a pot of molten solder, immersion from head of terminal to backside of board, $5 \sim 6$ s, two times maximum			
	Manual soldering: 380 ± 10 °C, 3 ~ 4 s			

$\{\ \}$: Reference only

■ ENVIRONMENTAL CHARACTERISTICS

Vibration	(Amplitude) 1.5 mm or (Acceleration) 98 m/s², 10-500-10 Hz, 3 directions for 2 h each		
Shock	490 m/s², 11 ms 6 directions for 3 times each		
Load life	10000 steps minimum DC5 V, 100 mA		
Humidity (Steady state)	40 °C, Relative humidity 90 ~ 95 %, 240 h		
High temperature exposure	70 °C, 96 h		
Low temperature exposure	−25 °C, 96 h		
Thermal shock	-25 (0.5 h) ~ 70 °C (0.5 h), 5 cycles		

CODE FORMAT

No. of positions			0	1	2	3	4	5	6	7
	Real code	4					•	•	•	•
		2			•	•			•	•
Codo		1		•		•		•		•
Code	Complemen- tary code	4	•	•	•	•				
		2	•	•			•	•		
		1	•		•		•		•	

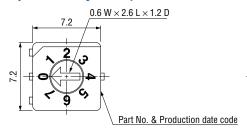
ROTARY CODED SWITCHES

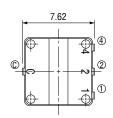
OUTLINE DIMENSIONS

Unless otherwise specified, tolerance: \pm 0.3 (Unit: mm)

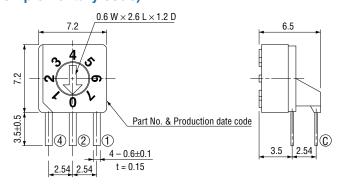
40.5

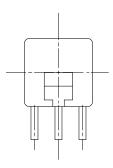
- S-8010 (Real code)
- S-8030 (Complementary code)



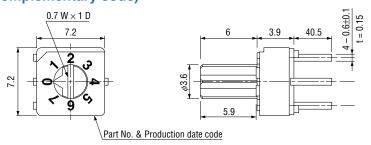


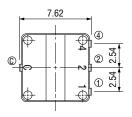
- S-8011 (Real code)
- S-8031 (Complementary code)



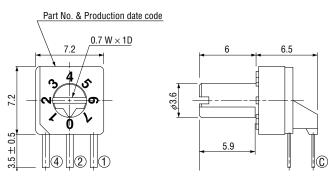


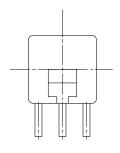
- S-8110 (Real code)
- S-8130 (Complementary code)





- S-8111 (Real code)
- S-8131 (Complementary code)





■ TERMINAL CONNECTION / P.C.B. THROUGH HOLE DIMENSIONS

(Unit: mm)

	Top setting	Side setting		
Terminal pin layout (Bottom view)	Real code Complementary code $\underbrace{\frac{4\ 2\ 1}{\overline{c}}}_{\overline{c}}$	Operating face of complementary code The state of the state of complementary code of complementary code of the state of code of code of code of the state of code of cod		
P.C.B. dimensions (Bottom view)	2.54±0.1 4 – \$\phi 0.8 \text{ hole} S – 8000 \text{ case}	2.54 \pm 0.1 • Operating face 4 - ϕ 0.8 hole S - 8000 case		

PACKAGING SPECIFICATIONS

<Tray packaging specifications>

- Tray version is packaged in 50 pcs. per tray. Orders will be accepted for units of 50 pcs., i. e., 50, 100, 150 pcs. etc.
- Tray version is boxed with 10 trays.

<Bulk pack specifications>

- The smallest unit of bulk pack in a plastic bag is 10 pcs. per pack.
 - Orders will be accepted for unit of minimum 10 pcs., i.e., 10, 20, 30 pcs., etc.
- Boxing of bulk in a plastic bag is performed with 50 pcs. (standard 100 pcs.) per box.