

1. Electrical Characteristic

1.1 Contact Rating	50mA, 24VDC.
1.2 Contact Resistance	100m Ω Maximum initial.
1.3 Electrical Life	10,000 times with loading. 20,000 times without loading.
1.4 Insulation Resistance	100m Ω Min. at 100VDC.
1.5 Dielectric Strength	250VDC for 1 Minute.

2. Mechanical and Environmental Characteristic

2.1 Mechanical Life	20,000 Cycles
2.2 Operating Force	1000 gf max.
2.3 Operating Temperature	-20 $^{\circ}$ C to +85 $^{\circ}$ C
2.4 Storage Temperature	-40 $^{\circ}$ C to +85 $^{\circ}$ C
2.5 Humidity-temperature cycling	Subject uncouted switches in the 0 position to 10, 24 hours cycles between 25 and 65 $^{\circ}$ C at 85%RH.

3. Materials

3.1 Cover Material	(PTH) PBT green; (SMT) PBT - black (UL 94V-0).
3.2 Actuator Material	4/6 nylon PA-6T (UL 94V-0).
3.3 Contact Material	Beryllium copper with gold.
3.4 Terminal Material	Brass with Gold plated.

4. Soldering conditions

4.1 Hand Soldering

Device: Solder iron 30W Max
270 $^{\circ}$ C Max. for 5 sec. Max.

4.2 Wave soldering

Temperature: 250 \pm 5 $^{\circ}$ C for 5 sec. Max.

When soldering two or more terminals to the common land, use solder resist to
Solder them independently.

5. Flux Cleaning

5.1 Solvent: Fluorine or Alcohol type

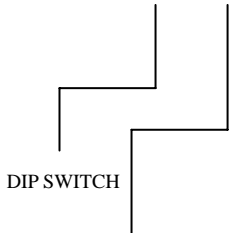
5.2 Cleaning shall be made when terminal temperature falls to 90 $^{\circ}$ C or lower, or,
Leave the switch at normal temperature for 5 minutes or longer, before cleaning.

6. Packing

6.1 Packaging	Tube
6.2 Packaging Description	50PCS/Tube

7. Order Information

DS —



TERMINALS	
2	3:2
3	3:3
4	1:4

CODE	
11	8 Positions(Real Code)
12	10 Positions(Real Code)
14	16 Positions(Real Code)
31	10 Positions(Complementary Code)
33	16 Positions(Complementary Code)

ROTOR	
0	Flat Type
3	Shaft Type(3mm)
7	Shaft Type(7mm)

TERMINAL TYPE	
A	PC-Standard Type
B	PC-Right Angle Type(p:5.08mm)
C	PC-Right Angle Type(p:2.54mm)
D	SMT- Standard Type
E	SMT-Right Angle Type(p:5.08mm)
F	SMT-Right Angle Type(p:2.54mm)

8.CODES

8 Positions

	CRICUITRY				
	1	2	4	8	C
0					'
1	'				'
2		'			'
3	'	'			'
4			'		'
5	'		'		'
6		'	'		'
7	'	'	'		'

10 Positions

	CRICUITRY				
	1	2	4	8	C
0					'
1	'				'
2		'			'
3	'	'			'
4			'		'
5	'		'		'
6		'	'		'
7	'	'	'		'
8				'	'
9	'			'	'

16 Positions

	CRICUITRY				
	1	2	4	8	C
0					'
1	'				'
2		'			'
3	'	'			'
4			'		'
5	'		'		'
6		'	'		'
7	'	'	'		'
8				'	'
9	'			'	'
A		'		'	'
B	'	'		'	'
C			'	'	'
D	'		'	'	'
E		'	'	'	'
F	'	'	'	'	'

Complementary 10 Positions

	CRICUITRY				
	1	2	4	8	C
0	'	'	'	'	'
1		'	'	'	'
2	'		'	'	'
3			'	'	'
4	'	'		'	'
5		'		'	'
6	'			'	'
7				'	'
8	'	'	'		'
9		'	'		'

Complementary 16 Positions

	CRICUITRY				
	1	2	4	8	C
0	'	'	'	'	'
1		'	'	'	'
2	'		'	'	'
3			'	'	'
4	'	'		'	'
5		'		'	'
6	'			'	'
7				'	'
8	'	'	'		'
9		'	'		'
A	'		'		'
B			'		'
C	'	'			'
D		'			'
E	'				'
F					'

DS4-A014

unit: mm

