

SPECIFICATION

Edition

4

EDG/S DIP SWITCH

1. FEATURES:

- 1-1 Tactile response is performed directly by larger contact pressure to ensure very stable contact.
- 1-2 All UL 94V-0 fire retardant plastics used.
- 1-3 Bottom epoxy sealed standard to ensure free of flux immersion during wave soldering.
- 1-4 Contact wiping on make and break.
- 1-5 Gold plated or silver plated contacts to ensure low contact resistance and long mechanical life.
- 1-6 Ideal for data processing, communications, remote controls and burglar alarm system use, where manual programming is required.

2. SPECIFICATIONS:

2-1 ELECTRICAL

2-1-1 Contact Rating

Switching	25 mA, 24 VDC
Non-Switching	100 mA, 50 VDC


2-1-2 Contact Resistance

Initial	50 m Ω Max.
After life test	100 m Ω Max.

2-1-3 Insulation Resistance 1,000 M Ω min at 100 VDC

2-1-4 Dielectric Strength 500 VDC min. for 1 minute

2-1-5 Capacitance between adjacent switches 5 pF Max.

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2-2 MECHANICAL AND ENVIRONMENTAL

2-2-1 Temperature Rating

Operating -40°C to + 85°C

Storage -40°C to + 85°C

2-2-2 Operation Force 800g Max. (SPST only)

2-2-3 Mechanical Life 3,000 operations

2-2-4 Humidity 95% RH, 40°C for 96 Hrs.

2-2-5 Vibration 10 to 55 Hz for 6 Hrs.

2-2-6 Solderability After flux 230± 5°C for
5± 0.5 seconds 95% coverage

2-2-7 Soldering Heat After 260± 5°C for 5± 1 sec.
shall have no deterioratio


3 OPTIONS

3-1 Special top or side marking available.

3-2 Right angle for spst 1-12 positions.

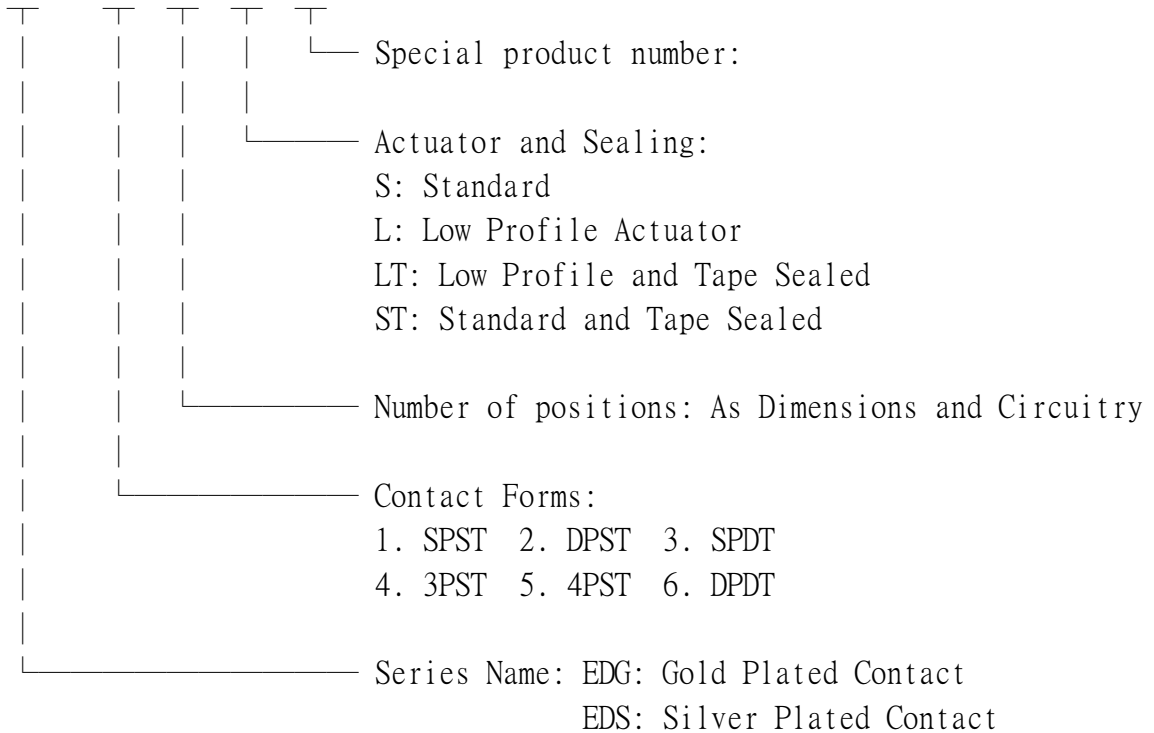
3-3 Low profile actuator.

3-4 Low profile actuator plus top tape sealed.

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4 PART NUMBERING SYSTEM

EDG 1 XX X XX



5. PACKING

5-1 PACKING METHOD

All switches are packed into IC tubes as an inner packing unit, then ten tubes are bundles together with rubber bands.

Length of IC tube: 560 mm (EDG 1 pole only: 280 mm).

5-2 INFORMATION ON LABEL (stuck to each bundle of IC tubes).

- | | |
|-------------------|--------------------------|
| (1) PART NO. | (7) ECE MARK. |
| (2) DESCRIPTION. | (8) WARNING. |
| (3) LOT NO. | (9) QC STAMP. |
| (4) QUANTITY. | (10) DATE. |
| (5) TESTER NO. | (11) MANUFACTURERS NAME. |
| (6) REPROCESS NO. | |

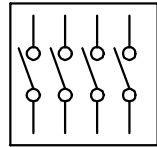
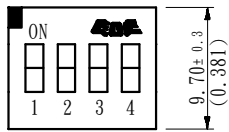
6. DRAWINGS

Dip switch dimensions: see attached drawing.

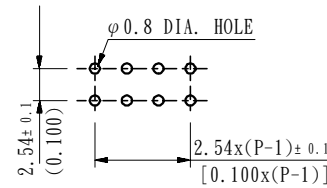
Circuit diagram: see attached drawing.

P.C.B. layout diagram: see attached drawing.

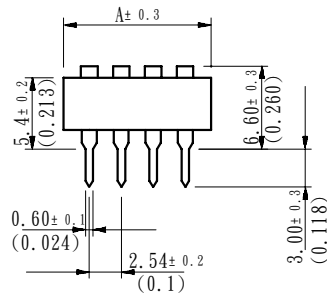
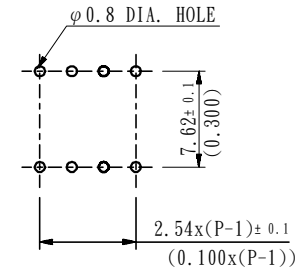
EDG/EDS SPST DIMENSIONS Unit:mm(inch)



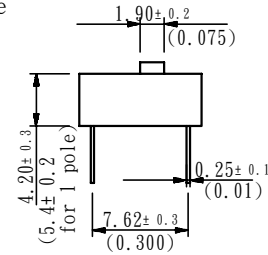
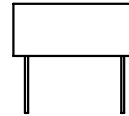
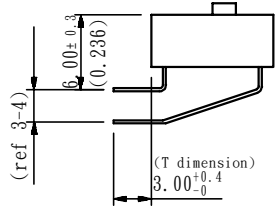
P. C. B LAY OUT FOR
RIGHT ANGLE TYPE ONLY



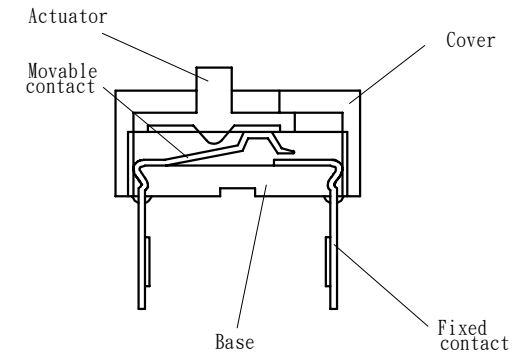
P. C. B LAY OUT



Right angle type Low profile type



CONSTRUCTION



Dimension A

Positions	1	2	3	4	5	6	7	8	9	10	12	15
A	3.9 (0.154)	6.7 (0.264)	9.2 (0.362)	11.7 (0.461)	14.2 (0.559)	16.7 (0.657)	19.2 (0.756)	21.7 (0.854)	24.2 (0.953)	26.7 (1.05)	31.8 (1.25)	39.5 (1.555)

NOTE:The dimensions of the 1 pole switch may vary slightly.

NOTE:1, 2 & 3 pole switches don't have the "ECE" Mark

NO.	DETAILS	ALTERED BY	DATE	NORMAL TOLERANCE		PART NUMBER	UNIT	MM (INCH)	PART NAME	EDG/EDS
				RANGE	TOLERANCE					
				0 - 1	± 0.1	-----	SCALE	5 : 3	TYPE	SPST
				1 - 4	± 0.3	CHECK GARY DESIGN GOLDEN DRAWN GOLDEN	QUANTITY	-----	FILE NAME	EDG1xxx.B.PRT
				4 - 16	± 0.5		PROCESSING	-----	ASSEMBLY NUMBER	-----
				16 - 63	± 0.8		PROJECTION		SURFACE TREATMENT	-----
				63 - 250	± 1.0					