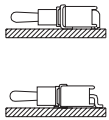




# TOGGLE SWITCHES

## SERIES 2C

- Sealed surface mount sub-miniature toggle switches



## AGENCY APPROVALS

**IP67** In conformity with:

- EN 60529: 1991
- IEC 529: 1989

## CHARACTERISTICS

- Supplied on Tape and Reel for automatic machine feed.
- Withstands reflow cycle.

## SPECIFICATIONS

**Contact Rating:** K (gold/tin-lead) - 0.4 VA max @ 20 VAC or DC max  
**Electrical life:** 30,000 make and break cycles at full load  
**Contact Resistance:** 20 mΩ max. initial @ 2-4 VDC - 100 mA, for both silver and gold plated contacts  
**Insulation Resistance:** 1000 MΩ min.  
**Dielectric Strength:** 1500 VRMS @ sea level  
**Operating Temperature:** -30°C to 85°C

## MATERIALS

**Case & bushing:** Glass filled nylon 4/6, flame retardant, heat stabilized (UL94V-0)  
**Actuator:** Brass chrome plated with internal o-ring seal  
**Switch support:** Brass, tin plated  
**Contacts:** Copper alloy with gold over nickel plated  
**Terminals:** Copper alloy with tin-lead alloy over nickel plated  
**Terminal seal:** Epoxy

## HOW TO ORDER



### N° OF POLES

1 SPDT

### ELECTRICAL FUNCTIONS

1	on	none	on
2	on	none	(on)
3	on	off	on
4	(on)	off	(on)
5	on	off	(on)

### TERMINATIONS

SM SMT 90° flat  
 H8 SMT 90° horizontal  
 H9 SMT 90° horizontal

### BUSHING

Leave blank

### TAPE & REEL

TR Tape & reel

### CONTACT MATERIAL

S Silver  
 A Gold (std)  
 K(\*) Tinned Gold

### ACTUATORS

N2 Short round  
 ES ESD plastic toggle 6.70 mm

### SEALING

E Seal

(\*) Only for H8 and H9 terminal



## SERIES 2C

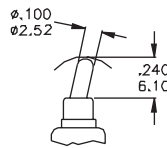
### ELECTRICAL FUNCTIONS

SPDT			
1	on	none	on
2	on	none	(on)
3	on	off	on
4	(on)	off	(on)
5	on	off	(on)
	2 - 3	open	2 - 1

2 Comm.

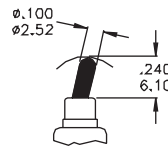


### ACTUATORS



**N2**

Antistatic Plastic Black Lever



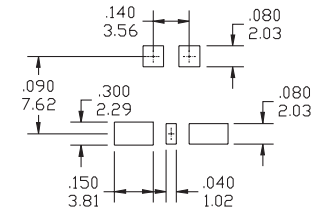
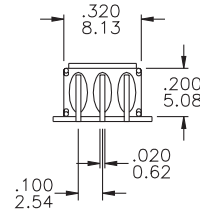
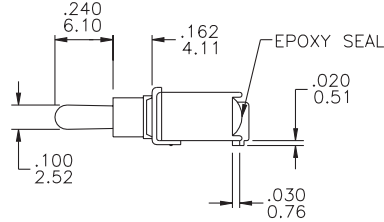
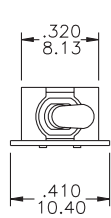
**ES**

Static resistance 9000 VDC, between actuator and terminals.

### TERMINATIONS

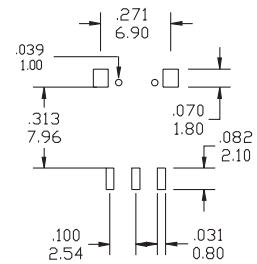
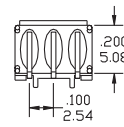
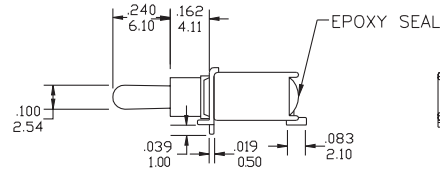
### DIMENSIONS

**SM**



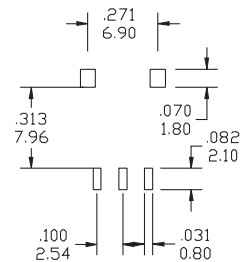
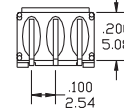
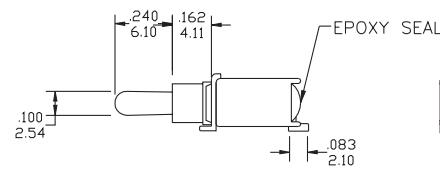
Part N° shown: 2C11-SMAE

**H9**



Part N° shown: 2C11-H9KE

**H8**



Part N° shown: 2C11-H8KE



**SERIES 2C**

**CONTACT MATERIALS**

**CONTACT RATINGS**

- S (std) Moving Contacts:** coin silver  
**Terminals:** copper alloy, silver plated  
**Rating:** 2 Amps with resistive load @ 250 VAC  
 5 Amps with resistive load @ 125 VAC or 28 VDC
  
- A Moving Contacts:** copper alloy with gold plating over nickel plating  
**Terminals:** copper alloy with gold plating over nickel plating  
**Rating:** 0.4 Volts/Amps max @ 20 Volts max (AC or DC)

**K** Same as **A**, but with pre-tinned terminals

**PACKAGING**

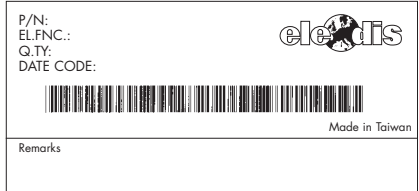
**MARKING  
(on products)**

**LABELLING  
(on packaging)**

The switches are individually marked with the following information:

- Side 1** TRADE MARK  
SERIES AND MODEL  
DATE CODE
  
- Side 2** RATING  
CONTACTS

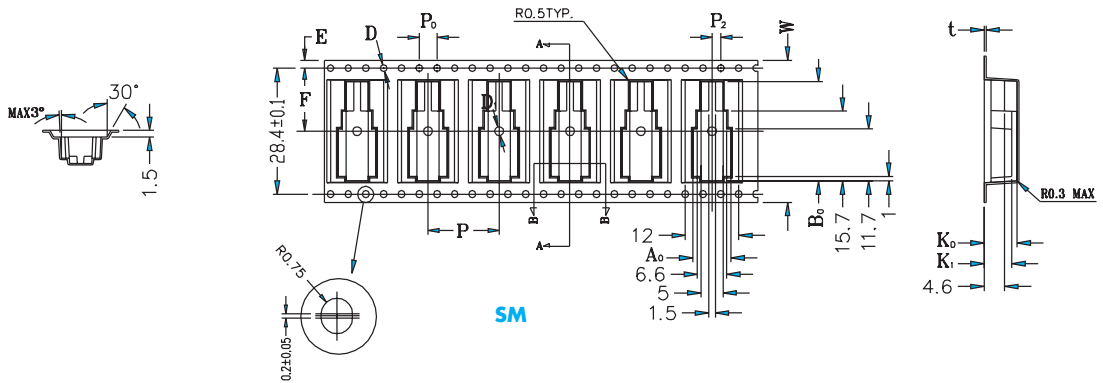
The label on each tray gives full information on the products contained.



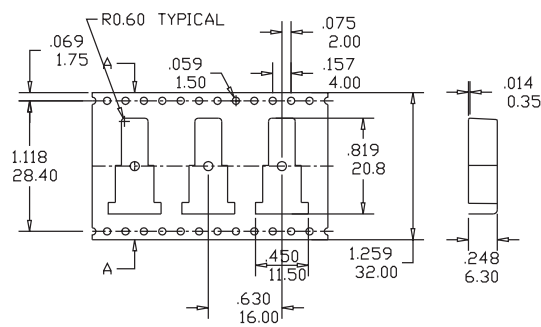
Note: Not all information may be available on some products.

A Bar code indicating Model, Quantity, Date Code enables easy traceability.

**Reel Taping**



**TR**



**H9**