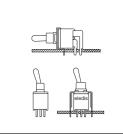




SERIES 2B

 Sealed Sub-miniature toggle switches



AGENCY APPROVALS

IP67

In conformity with:

- EN 60529: 1991
- IEC 529: 1989

CHARACTERISTICS

- Tiny and sealed switch suitable for environmentally hard usage.
- Carries up to 3 Amps @ 120 VAC or 28 VDC.

SPECIFICATIONS

Contact Rating: 5 (silver) - 3A with resistive load @ 120 VAC or 28 VDC - 1 A with resistive load @ 250 VAC - A (gold) or 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: $20~\text{m}\Omega$ max. initial @ 2-4~VDC - 100~mA, for both silver and gold plated contacts Insulation Resistance: $1000~\text{M}\Omega$ min. Dielectric Strength: 1500~VRMS @ sea level Operating Temperature: -30°C to 85°C

MATERIALS

Case & bushing: Glass filled nylon 6/6, flame retardant, heat stabilized (UL94V-0)

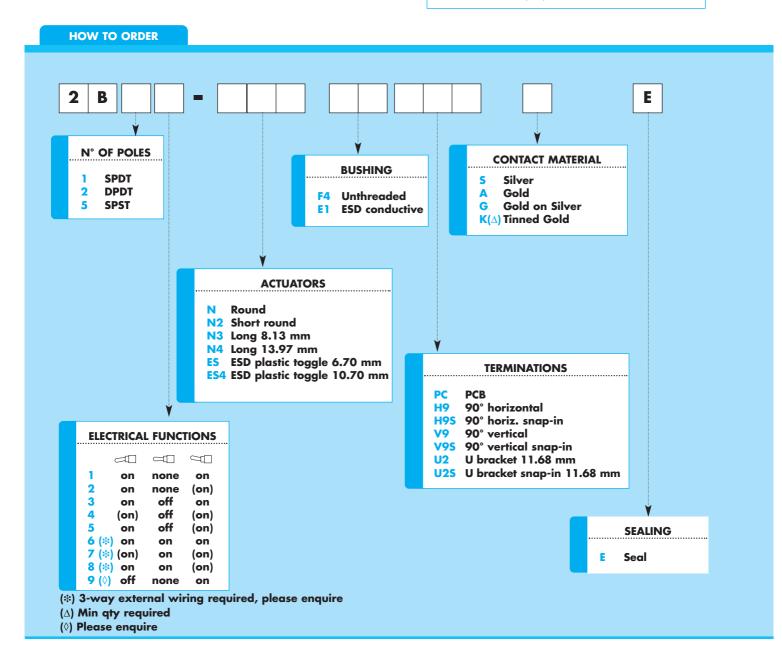
Actuator: Brass chrome plated with internal o-ring seal

Switch support: Brass, tin plated

Contacts & terminals: Copper alloy with gold over

nickel plated

Terminal seal: Epoxy



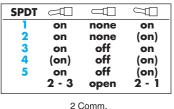




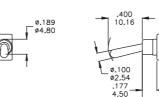
SERIES 2B

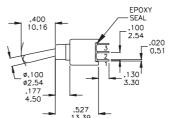
ELECTRICAL FUNCTIONS

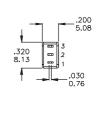
DIMENSIONS



2 Comm. 1 • 3 •







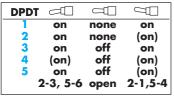
Part N° shown: 2B11-NF4PCAE

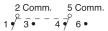




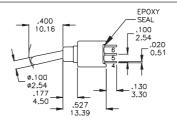


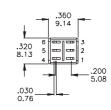
Part N° shown: 2B59-NF4PCAE











Part N° shown: 2B21-NF4PCAE

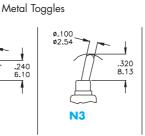
ACTUATORS

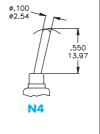


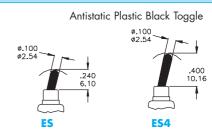


Actuator Showed F4 SPDT

Add. 0.15 mm for DPDT

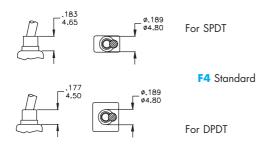






Note: Static resistance 9000 VDC, between actuator and terminals. Not available with E1 conductive bushing

BUSHING

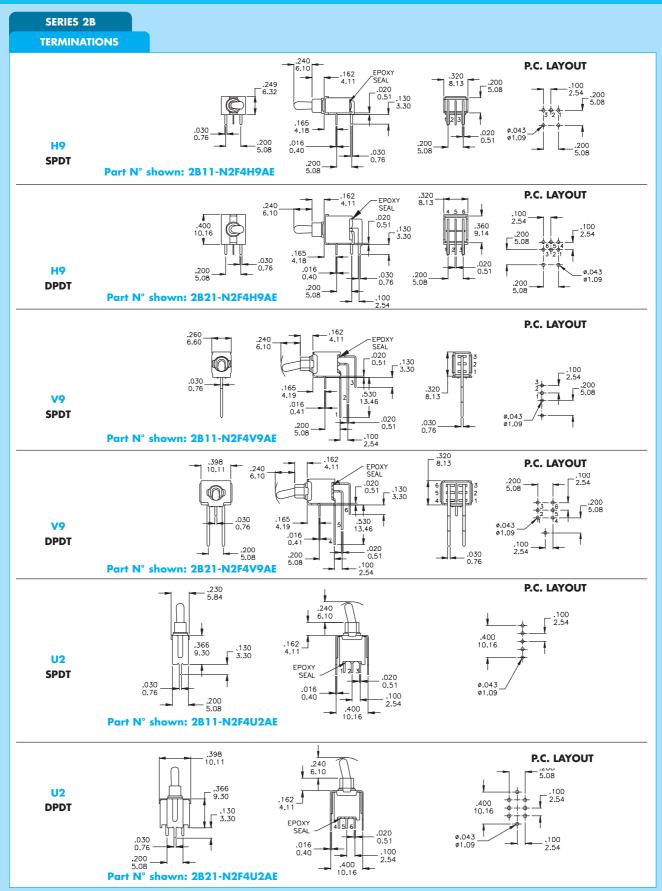


ESD conductive option

Same dimensions as F4, but made of conductive carbon fiber. It allows antistatic protection with metal actuators N, N2.

EI



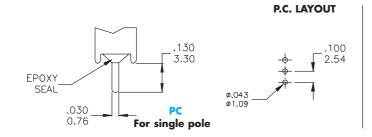


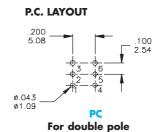




SERIES 2B

TERMINATIONS







H95, V95, U25 have the same P.C mounting but with snap-in bracket for retention on PC board.

CONTACT MATERIALS

CONTACT RATINGS

- Moving Contacts: coin silver
 Terminals: copper alloy, silver plated
 Rating: 3 Amps @ 125 VAC or 28 VDC
 1 Amps @ 250 VAC
- A Moving Contacts: copper alloy with gold plating over nickel

Terminals: copper alloy with gold plating over nickel **Rating:** 0.4 Volts/Amps max @ 20 Volts max (AC or DC)

Moving Contacts: coin silver gold plated
Terminals: copper alloy with gold plating over nickel
Note: G option used for either "high" (2 Amps @ 250
VAC) or "low" (0.4 Volts/Amps max) contact rating
(one exclude the other)

PACKAGING

MARKING (on products)

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

LABELLING (on packaging)

Transparent Trays 15x21x4 cm



Qty per tray: (ST, PC Terminals) Series 2B1x 500 pcs 2B2x 200 pcs The switches are individually marked with the following information:

Side 1 TRADE MARK SERIES AND MODEL DATE CODE

Side 2 RATING CONTACTS

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

P/N: ELFNC.: Q.TY: DATE CODE:

Made in Taiw

Remarks

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