



800-227-0075

<http://www.vimex.com>

# Product Specification

## GENERAL SPECIFICATION

### 1.0 SCOPE

This specification defines the basic requirements for all ES30T series Washable Sub-Miniature Toggle Switches. Specifications on individual data sheets supersede any general specifications provided herein.

### 2.0 MECHANICAL

2.1 Dimensions: This device shall have the dimensions as shown in the outline drawing. All measurements stated in millimeters.

2.2 Material: Standard materials listed. Others available on request.

2.2.1 Case: glass filled nylon 4/6, flame retardant heat stabilized (UL94V-0).

2.2.2 Toggle Handle: Brass, chrome plated.

2.2.3 Bushing: Stainless steel.

2.2.4 Housing: Stainless steel

2.2.5 Contact: phosphor bronze gold plated over nickel plate.

2.2.6 Terminal: phosphor bronze tin-lead plated over nickel plate.

2.2.7 Terminal Seal: Epoxy

2.3 Durability/Electrical Life: 50,000 make and break cycles at full load.

2.4 Weight & packing: Polybag or plastic tray inside corrugated cardboard carton. Quantities vary with item.

### 3.0 ELECTRICAL

3.1 Rated Voltage: Maximum: 0.4VA @ 48VAC or VDC  
Minimum: 1μA @ 20mVAC or VDC.

3.2 Dielectric Strength: 500 V RMS @ sea level.

3.3 Contact Resistance: 50mΩ maximum initial @2-4 VDC, 100mA

3.4 Insulation Resistance: 500MΩ minimum.

3.5 Operating Temperature: -30°C to +85°C.

3.6 Degree of Protection: IP67.

				<b>Description:</b>	General specifications for ES30T Washable Sub-Miniature Toggle Switches.
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