1HL Detector Switches

Type: **ESE18**

Detector switches that contribute to miniaturization, weight reduction, and expansion of the operation variety required for portable equipment.

Features

• Thin body: 1.2 mm

Circuit type: Normally-open and a normally-closed

types are available.

• Travel: Standard type: 1.5 mm

Long type: 2.15

Surface mounted type: Packed with embossed

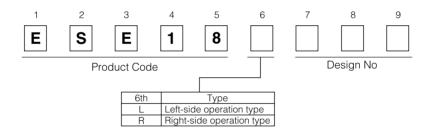
tape. Supports reflow soldering.

■ Recommended Applications

 Mechanisms or the detection of media in portable equipment (e.g. MD/CD-ROM/DVD players, DSCs)

Operation switches (input devices)

■ Explanation of Part Numbers



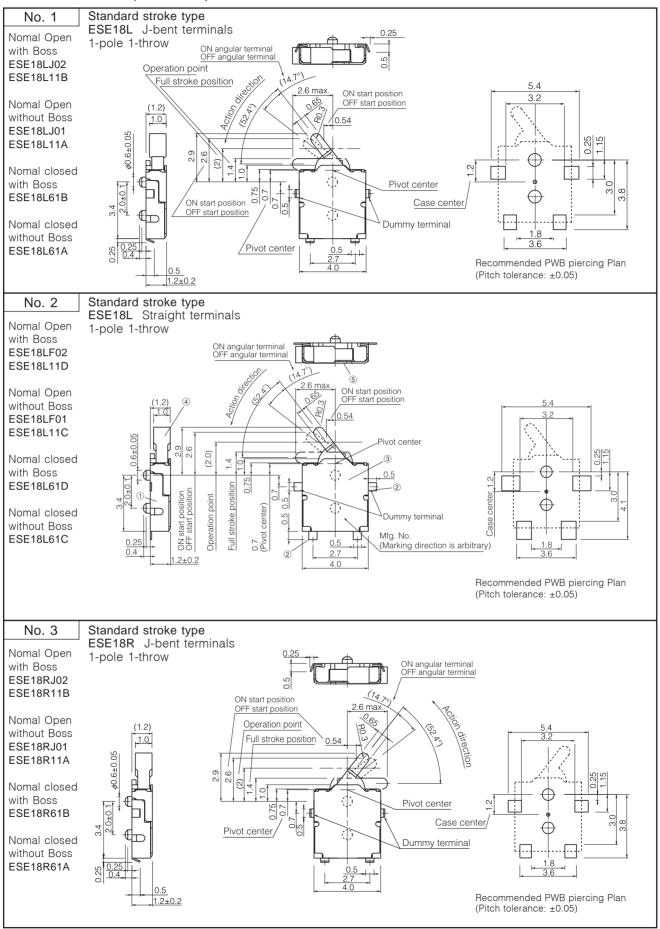
■ Major Specifications

Power Rating		50 μA 3 V dc to 10 mA 5 V dc
Contact Resistance		1 Ω max.
Insulation Resistance		100 MΩ max. (100 V dc)
Dielectric Withstanding Voltage		100 V ac for 1 minute
Operating Force		300 mN max.
Full Travel		1.5 mm, 2.15 mm
Operating Life		50000 cycles min.
Temperature Range		−10 °C to +60 °C
Heat Resistance		+70 °C for 96 hours
Low Temperature Resistance		−25 °C for 96 hours
Humidity Resistance		+40 °C 90 % to 95 % RH for 96 hours
Minimum Quantity/Packing Unit	ESE18L	5000 pcs. (Reel Pack)
	ESE18R	
Quantity/Carton	ESE18L	30000 pcs.
	ESE18R	

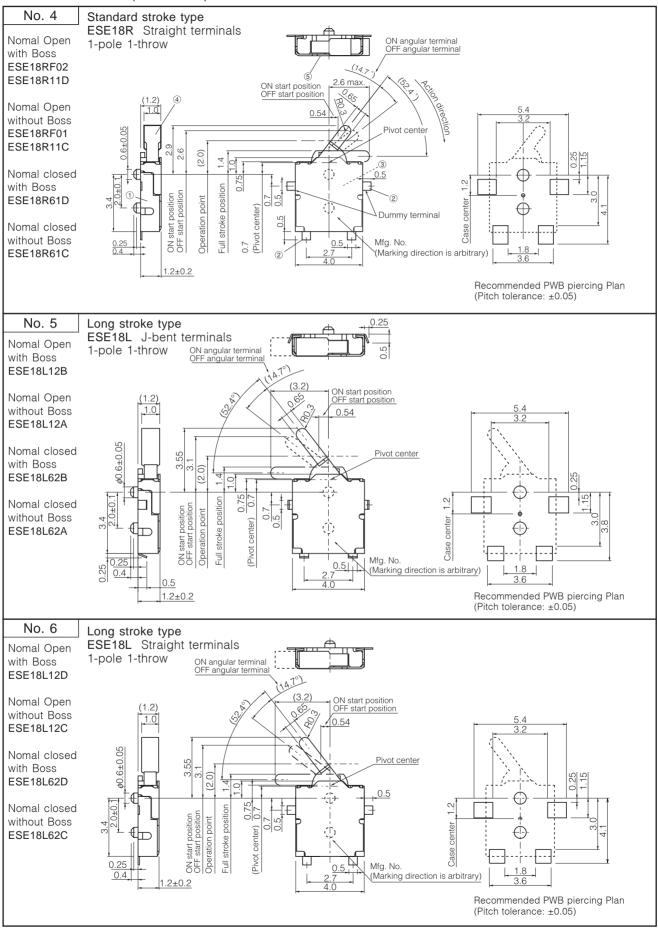
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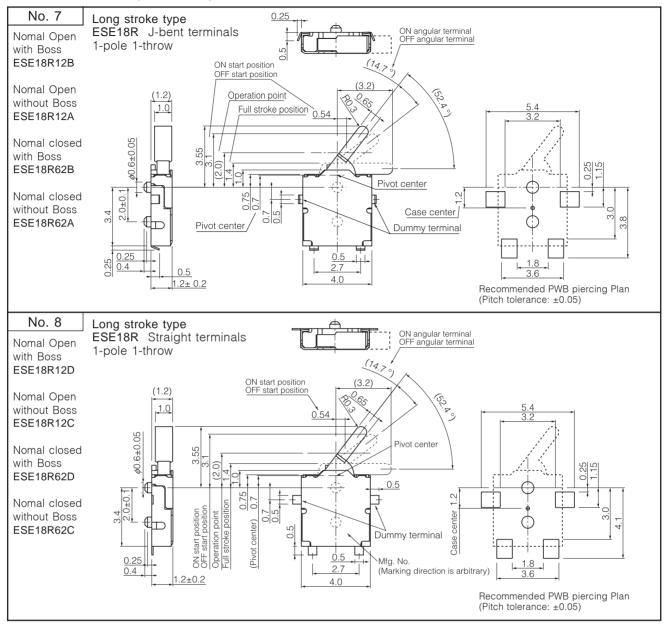
■ Dimensions in mm (not to scale)



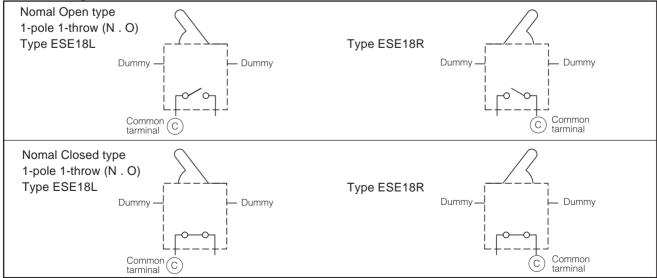
■ Dimensions in mm (not to scale)



■ Dimensions in mm (not to scale)



■ Circuit Diagram



Panasonic

■ Packaging Specifications

Standard Reel Dimensions in mm (not to scale)

