

1VL Detector Switches

Japan

Type: **ESE13**

Development of detection switches in preparation for miniaturized, thin, and light portable equipment and to respond to demand for multiple operations.



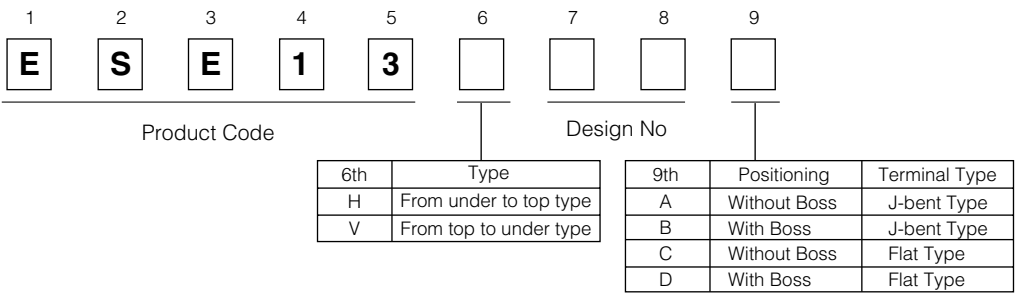
■ Features

- Super thin type : Height : 1.2 mm
- Highly reliable contact through applying our own self-wiping leaf spring contact construction.
- SMT correspondence
(Embossed Taping, Reflow soldering)

■ Recommended Applications

- Portable Electronic Equipment
(Cellular Telephones, Portable Information Equipment)

■ Explanation of Part Numbers



■ Major Specifications

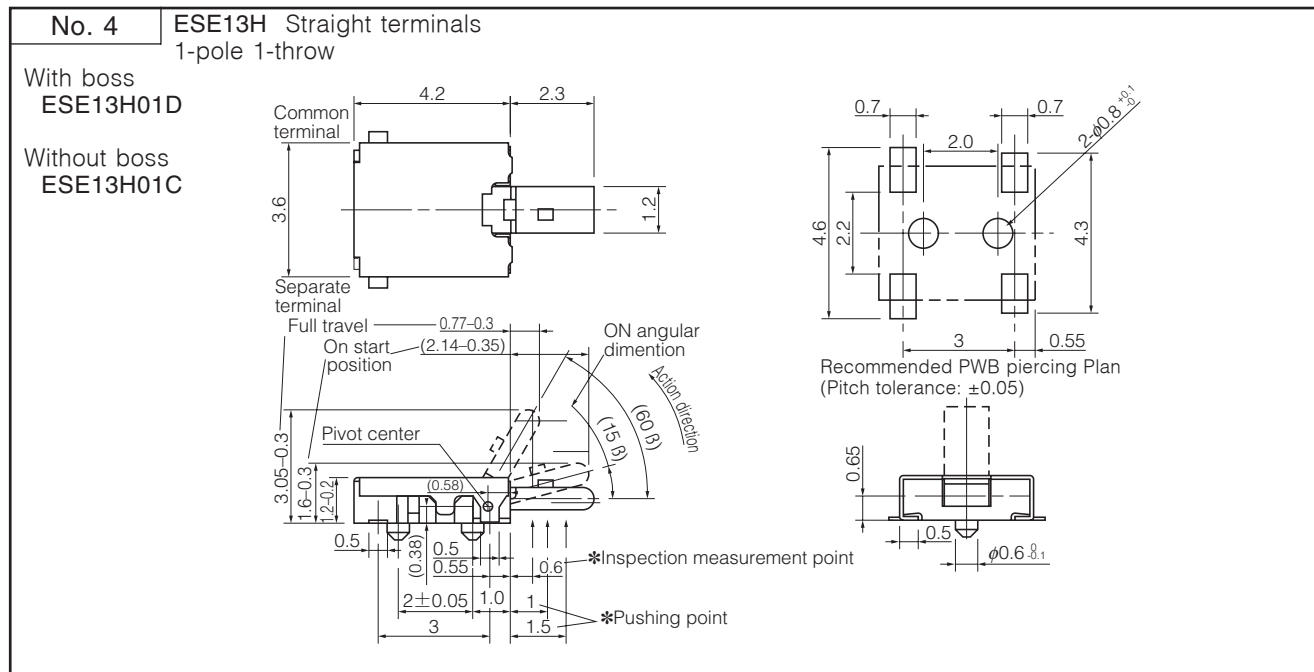
Power Rating		50 μ A 3 V dc to 10 mA 5 V dc
Contact Resistance		1 Ω max.
Insulation Resistance		100 M Ω max. (100 V dc)
Dielectric Withstanding Voltage		100 V ac for 1 minute
Operating Force		300 mN max.
Full Travel		1.5 mm
Operating Life		50000 cycles min.
Temperature Range		-10 °C to +60 °C
Heat Resistance		+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	ESE13H	5000 pcs. (Reel Pack)
	ESE13V	3000 pcs. (Reel Pack)
Quantity/Carton	ESE13H	30000 pcs.
	ESE13V	18000 pcs.

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

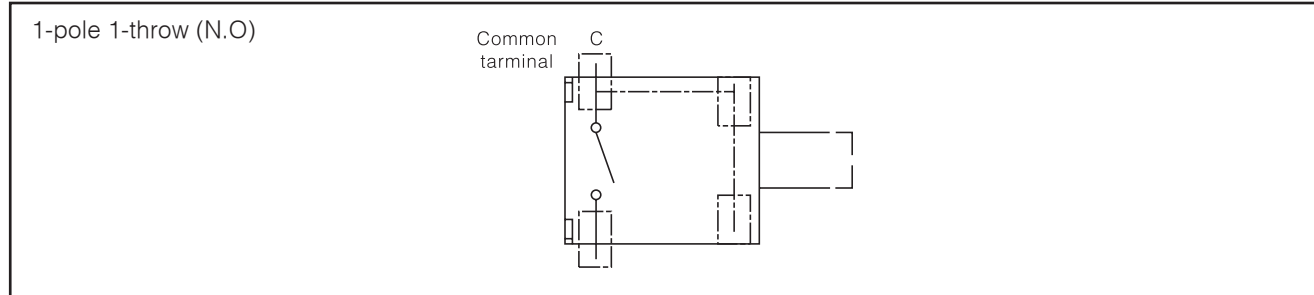
■ Dimensions in mm (not to scale)

No. 1 ESE13V J-bent terminals 1-pole 1-throw With boss ESE13V01B Without boss ESE13V01A		Recommended PWB piercing Plan (Pitch tolerance: ± 0.05)
No. 2 ESE13V Straight terminals 1-pole 1-throw With boss ESE13V01D Without boss ESE13V01C		Recommended PWB piercing Plan (Pitch tolerance: ± 0.05)
No. 3 ESE13H J-bent terminals 1-pole 1-throw With boss ESE13H01B Without boss ESE13H01A		Recommended PWB piercing Plan (Pitch tolerance: ± 0.05)

■ Dimensions in mm (not to scale)



■ Circuit Diagram



■ Packaging Methods

Standard Reel Dimensions in mm (not to scale)

