

### 09HL Detector Switches

Type: **ESE58**



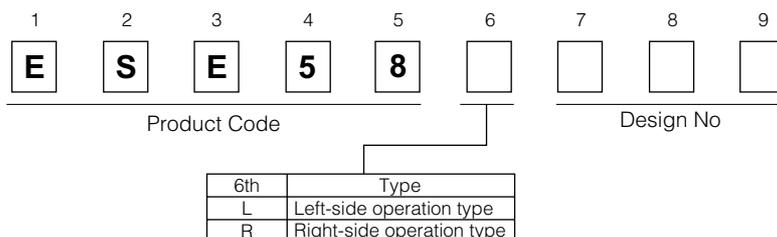
#### ■ Features

- Thin body: 0.9 mm.
- Circuit type: Normally-open and normally-closed types are available.
- Lineup with variations in right-left operations.

#### ■ Recommended Applications

- Detection of media in portable electronic equipment (Mobile phones/Digital still cameras/DVCs, etc.)

#### ■ Explanation of Part Numbers



#### ■ Specifications

Rating	50 $\mu$ A 3 Vdc to 10 mA 5 Vdc (Resistive load)
Contact Resistance	500 m $\Omega$ max. (Initial)
Insulation Resistance	100 M $\Omega$ min. (100 Vdc)
Dielectric Withstanding Voltage	100 Vac for 1 minute
Operating Force	300 mN max.
Mounting Height	0.9 mm
Poles and Throws	1-pole 1-throw
Full Travel (Pushing distance)	With boss : 1.4 mm (1.5 mm) Without boss : 2.1 mm (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	5000 pcs. Embossed Taping (Reel Pack)
Quantity/Carton	30000 pcs.

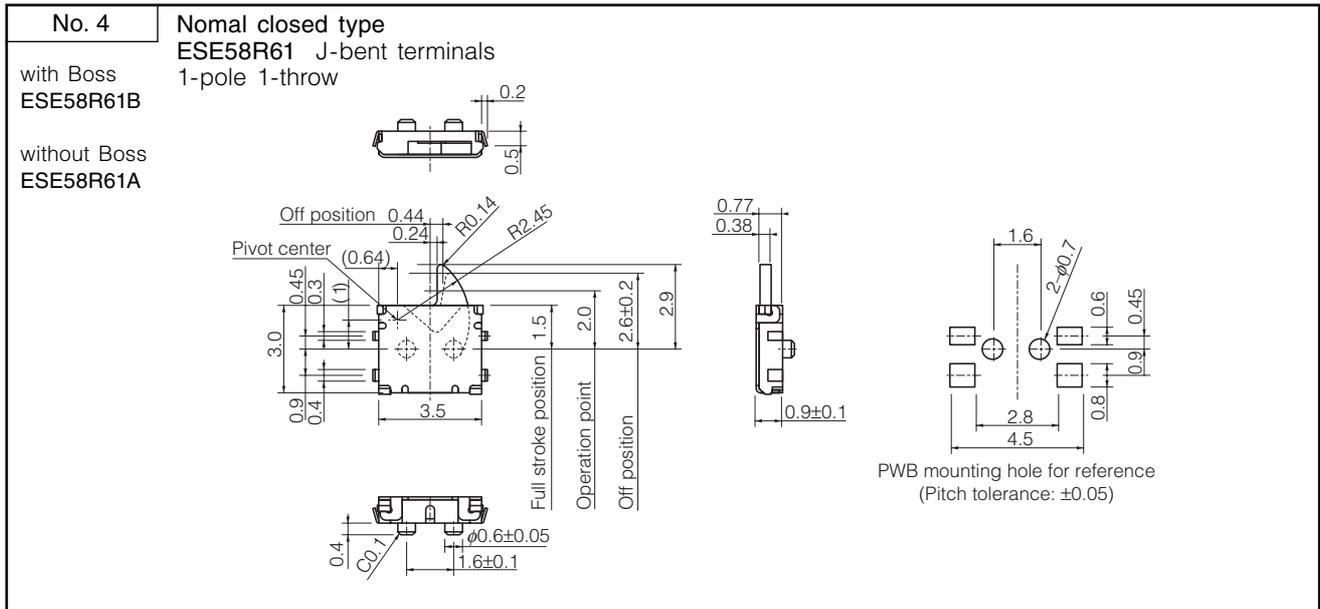
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

### ■ Dimensions in mm (not to scale)

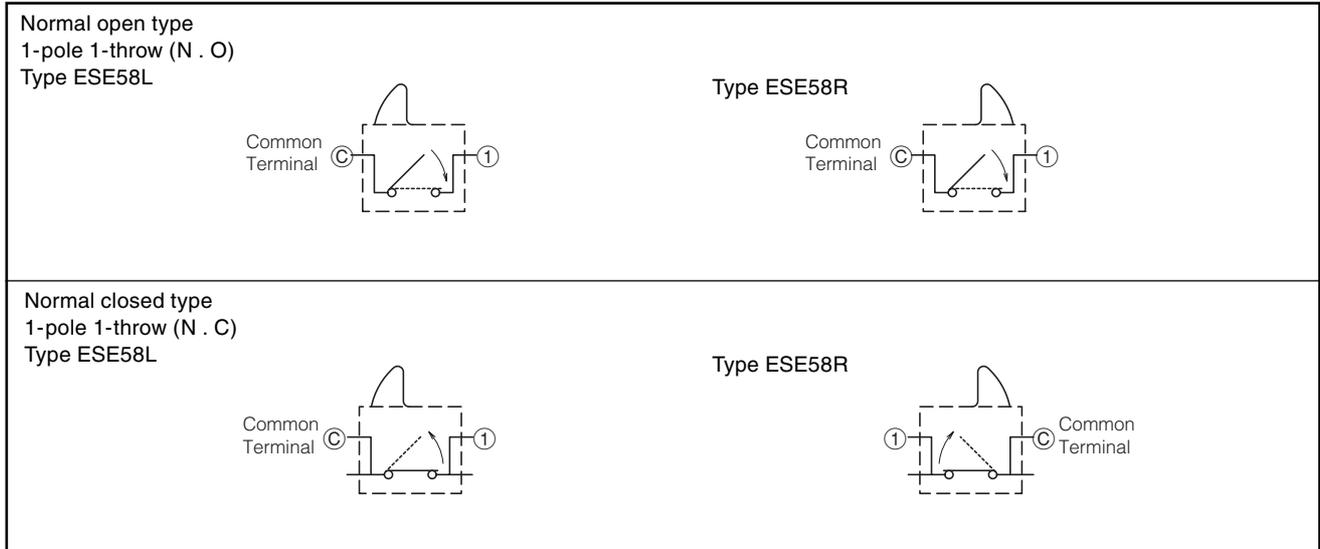
<p><b>No. 1</b></p> <p>with Boss ESE58L11B</p> <p>without Boss ESE58L11A</p>	<p><b>Nomal open type</b> ESE58L11 J-bent terminals 1-pole 1-throw</p> <p>0.2 0.5</p> <p>0.48 On position 0.24 Pivot center R0.14 R2.45 0.7 0.25 3.0 3.5 1.5 1.0 2.0 2.55±0.2 2.9 0.9±0.1 0.77 0.38 1.6 2.8 4.5 2-∅0.7 0.8 0.3</p> <p>PWB mounting hole for reference (Pitch tolerance: ±0.05)</p>
<p><b>No. 2</b></p> <p>with Boss ESE58L61B</p> <p>without Boss ESE58L61A</p>	<p><b>Nomal closed type</b> ESE58L61 J-bent terminals 1-pole 1-throw</p> <p>0.2 0.5</p> <p>0.44 Off position 0.24 Pivot center R0.14 R2.45 0.45 0.3 3.0 0.9 0.4 3.5 1.5 1.0 2.0 2.6±0.2 2.9 0.9±0.1 0.77 0.38 1.6 2.8 4.5 2-∅0.7 0.6 0.45 0.9</p> <p>PWB mounting hole for reference (Pitch tolerance: ±0.05)</p>
<p><b>No. 3</b></p> <p>with Boss ESE58R11B</p> <p>without Boss ESE58R11A</p>	<p><b>Nomal open type</b> ESE58R11 J-bent terminals 1-pole 1-throw</p> <p>0.2 0.5</p> <p>On position 0.48 0.24 Pivot center R0.14 R2.45 0.7 0.25 3.0 3.5 1.5 1.0 2.0 2.55±0.2 2.9 0.9±0.1 0.77 0.38 1.6 2.8 4.5 2-∅0.7 0.8 0.3</p> <p>PWB mounting hole for reference (Pitch tolerance: ±0.05)</p>

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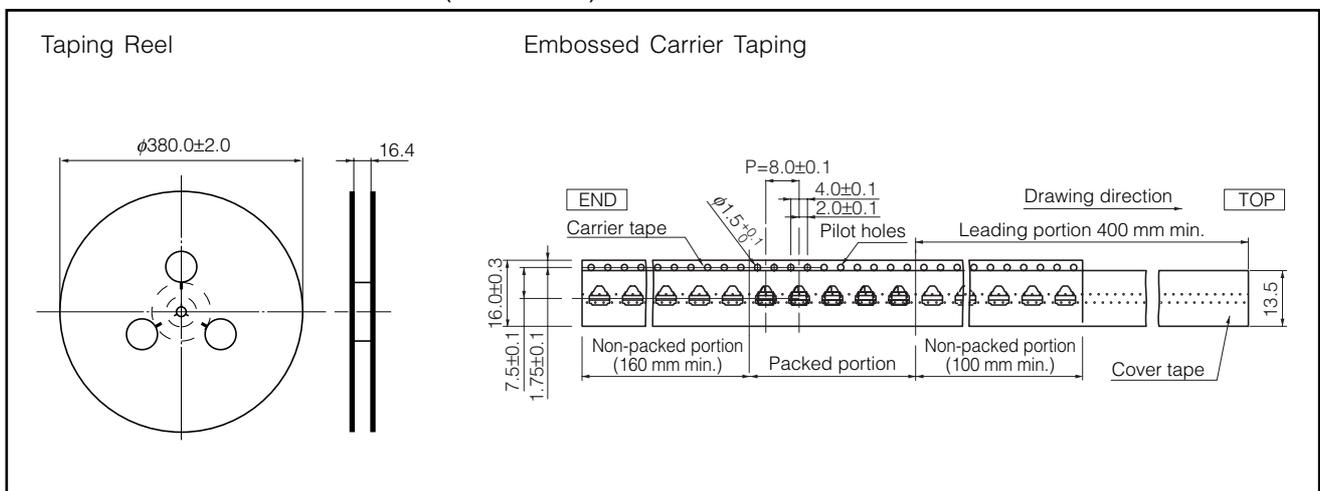


### ■ Circuit Diagram



### ■ Packaging Specifications

Standard Reel Dimensions in mm (not to scale)



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