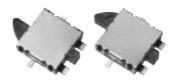
### 2HL Detector Switches

Type: ESE31



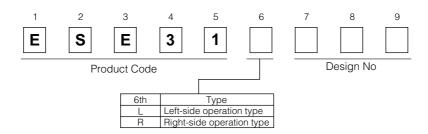
#### ■ Features

- Increased the mounting strength Mounting strength: 80 N
- Decreased the profile of the switch body Height: 1.7 mm
- Increased the contact reliability and lifespan.
  Lifespan: 100,000 operations or more

# ■ Recommended Applications

• Detection of media in portable electronic equipment

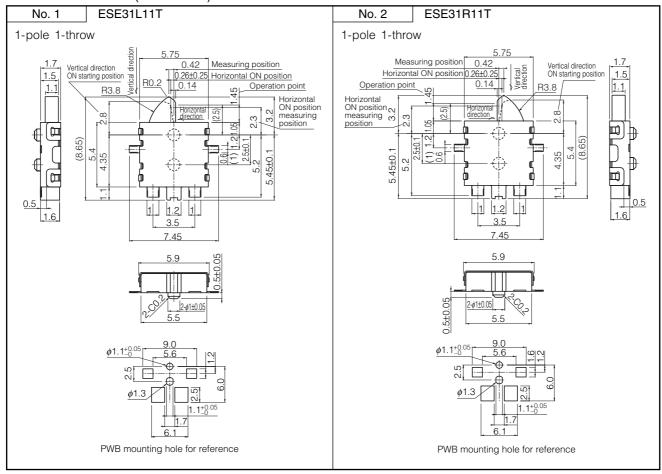
# ■ Explanation of Part Numbers



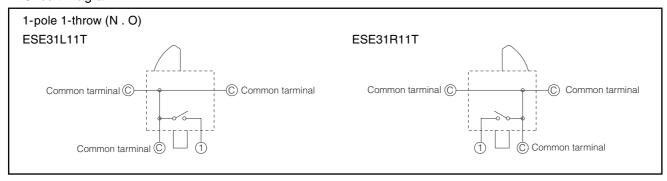
### ■ Specifications

Rating	50 μA 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	390 mN max.
Mounting Height	1.7 mm
Poles and Throws	1-pole 1-throw
Full Travel (Pushing distance)	3.2 mm (2.15 mm)
Operating Life	50000 cycles min.
Temperature Range	−10 °C to +70 °C
Heat Resistance	+85 °C for 96 hours
Low Temperature Resistance	-40 °C for 96 hours
Humidity Resistance	+60 °C 90 % to 95 % RH for 96 hours
Minimum Quantity/Packing Unit	2500 pcs. Embossed Taping (Reel Pack)
Quantity/Carton	15000 pcs.

### ■ Dimensions in mm (not to scale)



### ■ Circuit Diagram



# ■ Packaging Specifications Standard Reel Dimensions in mm (not to scale)

