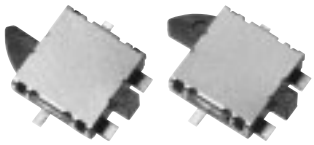
2HL Detector Switches

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

1	2	3	4	5	6	7	8	9
E	S	E	3	1				

Product Code: 1–5 | Design No: 7–9

6th	Type
L	Left-side operation type
R	Right-side operation type

■ Specifications

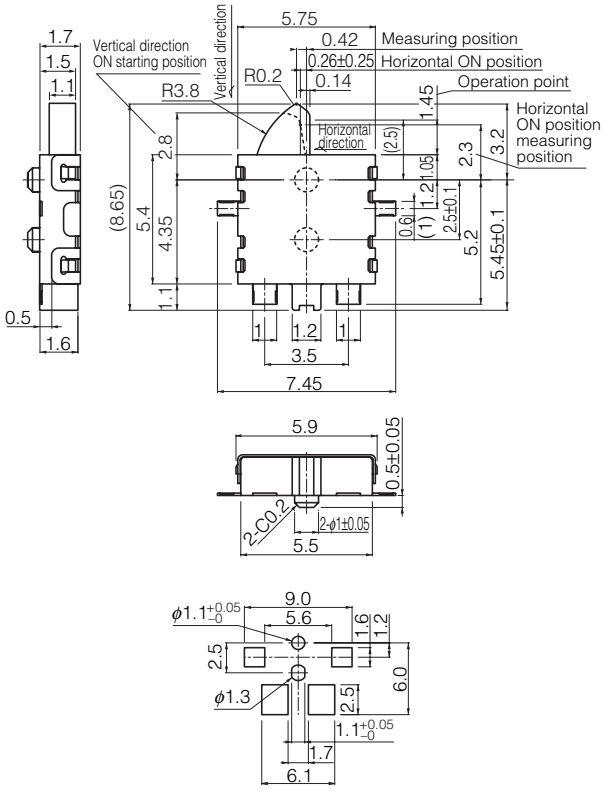
Rating	50 µA 3 Vdc to 10 mA 5 Vdc (Resistive load)
Contact Resistance	500 mΩ max. (Initial)
Insulation Resistance	100 MΩ min. (100 Vdc)
Dielectric Withstanding Voltage	100 Vac for 1 minute
Operating Force	390 mN max.
Mounting Height	1.7 mm
Poles and Throws	1-pole 1-throw
Full Travel (Pushing distance)	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.

00 Oct. 2012

■ Dimensions in mm (not to scale)

No. 1	ESE31L11T

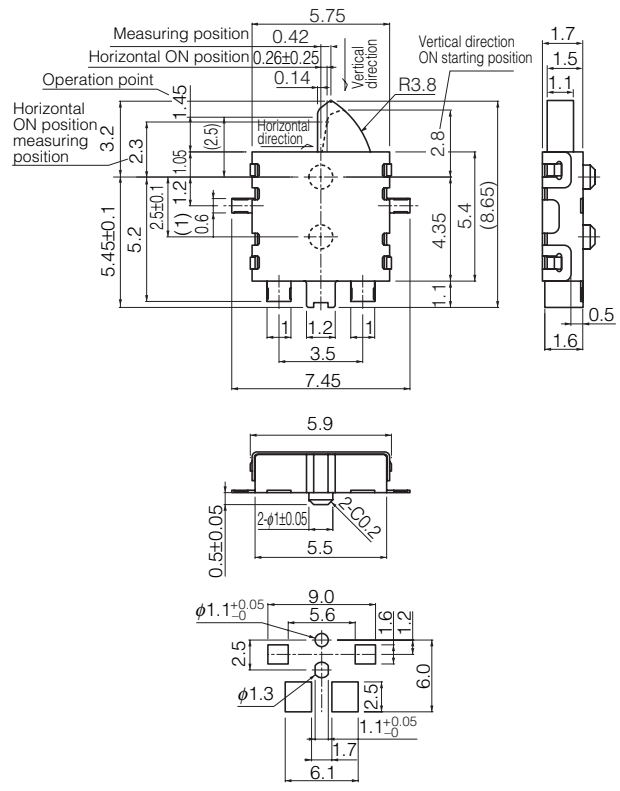
1-pole 1-throw



PWB mounting hole for reference

No. 2	ESE31R11T

1-pole 1-throw

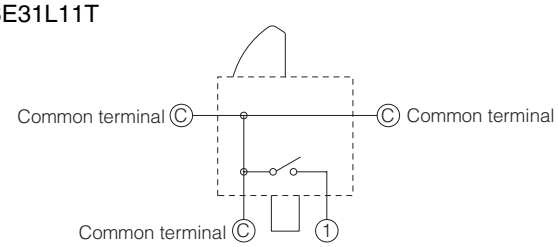


PWB mounting hole for reference

■ Circuit Diagram

1-pole 1-throw (N . O)

ESE31L11T



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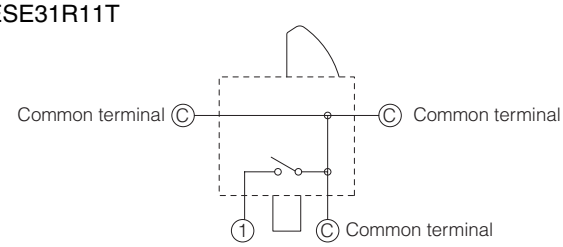
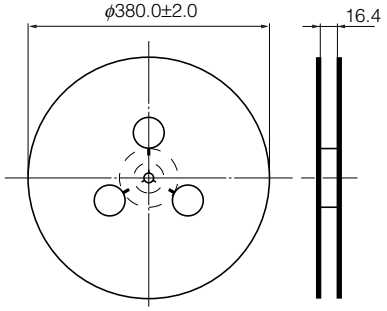


■ Packaging Specifications

Standard Reel Dimensions in mm (not to scale)

Taping Reel



Embossed Carrier Taping