Sealed Tilt Switch
D7E

- Pure mechanical tilt detector
- Sealed enclosure
- Output capacity from 0.1 mA at 5 VDC to 100 mA at 30 VDC
- RoHS Compliant

Ordering Information

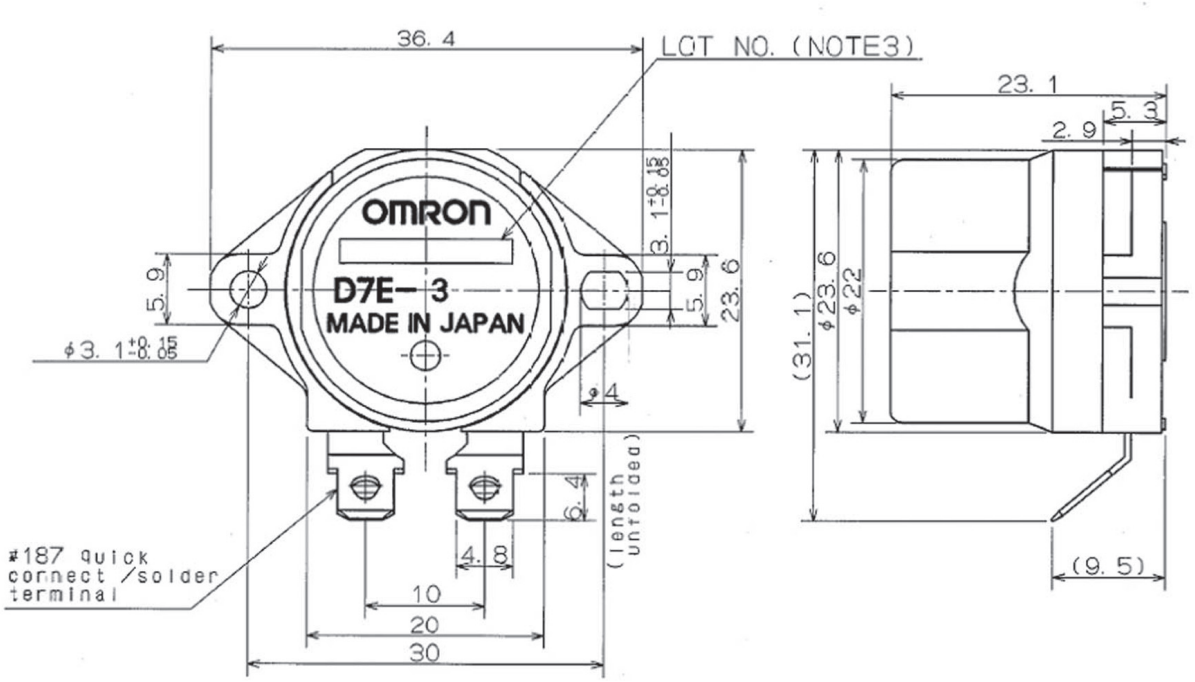
Operating Angle	Model
50 to 80 degrees	**D7E-3**

Characteristics

Operating angle	Tilt of 50 to 80 degrees, when the switch is tilted gradually (approx. 1 degree/s) from the horizontal
Returning angle	Tilt of more than 25 degrees, when the switch is tilted gradually (approx. 1 degree/s) from the horizontal
Permissible mounting level	1 degree max. from the horizontal
Contact form	Single pole single throw (NC contact / slow action)
Mounting	Pitch: 30 mm 2 screws (M3)
	Height: 5.3 mm
Soldering	Soldering iron: temperature 350 ±10°, 3 sec. max
Ratings	5 VDC, 0.1 mA to 30 VDC, 100 mA (resistive load)
Insulation resistance	100 MΩ min. (250 VDC, between each terminal of the same polarity) To measure off condition
Contact resistance	300 m Ohm max. (Initial value)
Vibration during transportation	Condition: Vibration: 200 gal (1 cycle: 0.5 sec.) Vibration direction: 2 axial directions Time: Total 50 hours
Shock	Condition: Acceleration: 980 m/s^2 3 times Shock direction: 3 axial directions
Operating temperature and humidity	Temperature: -25° to +60° (with no icing and condensation) Humidity: 45 to 95% RH
Storage temperature and humidity	Temperature: -25° to +60° (with no icing and condensation) Humidity: 45 to 95% RH protection
Protection	IP67

Dimensions

Unit: mm



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ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.
To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

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