

# 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

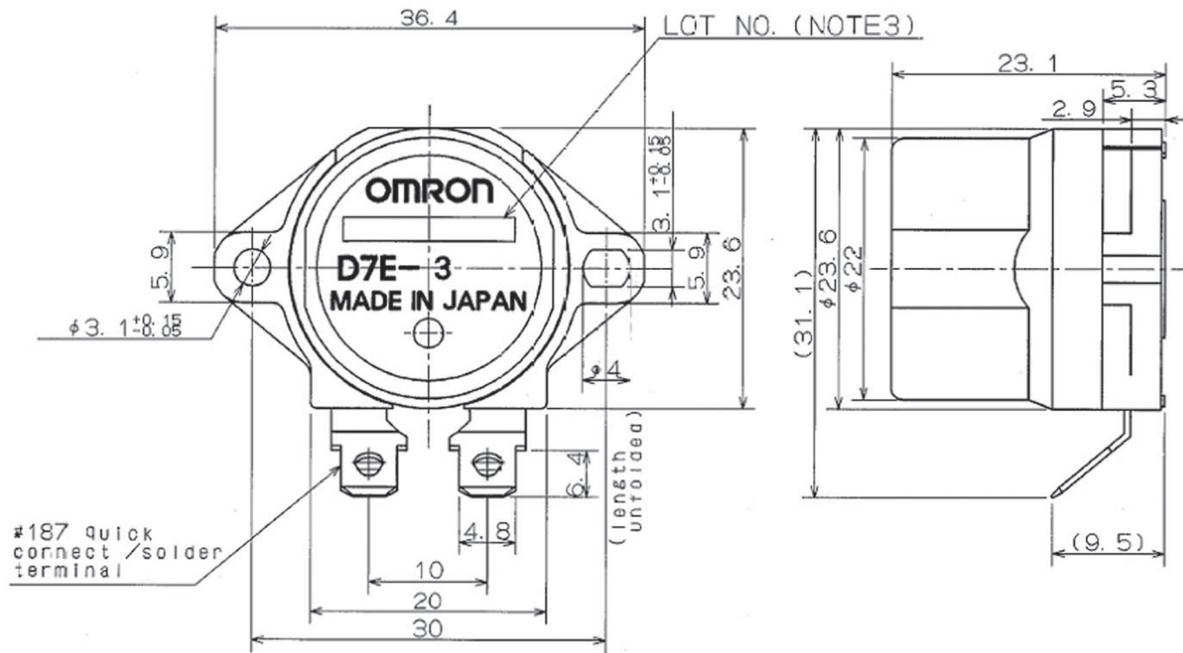
Operating Angle	Model
50 to 80 degrees	D7E-3

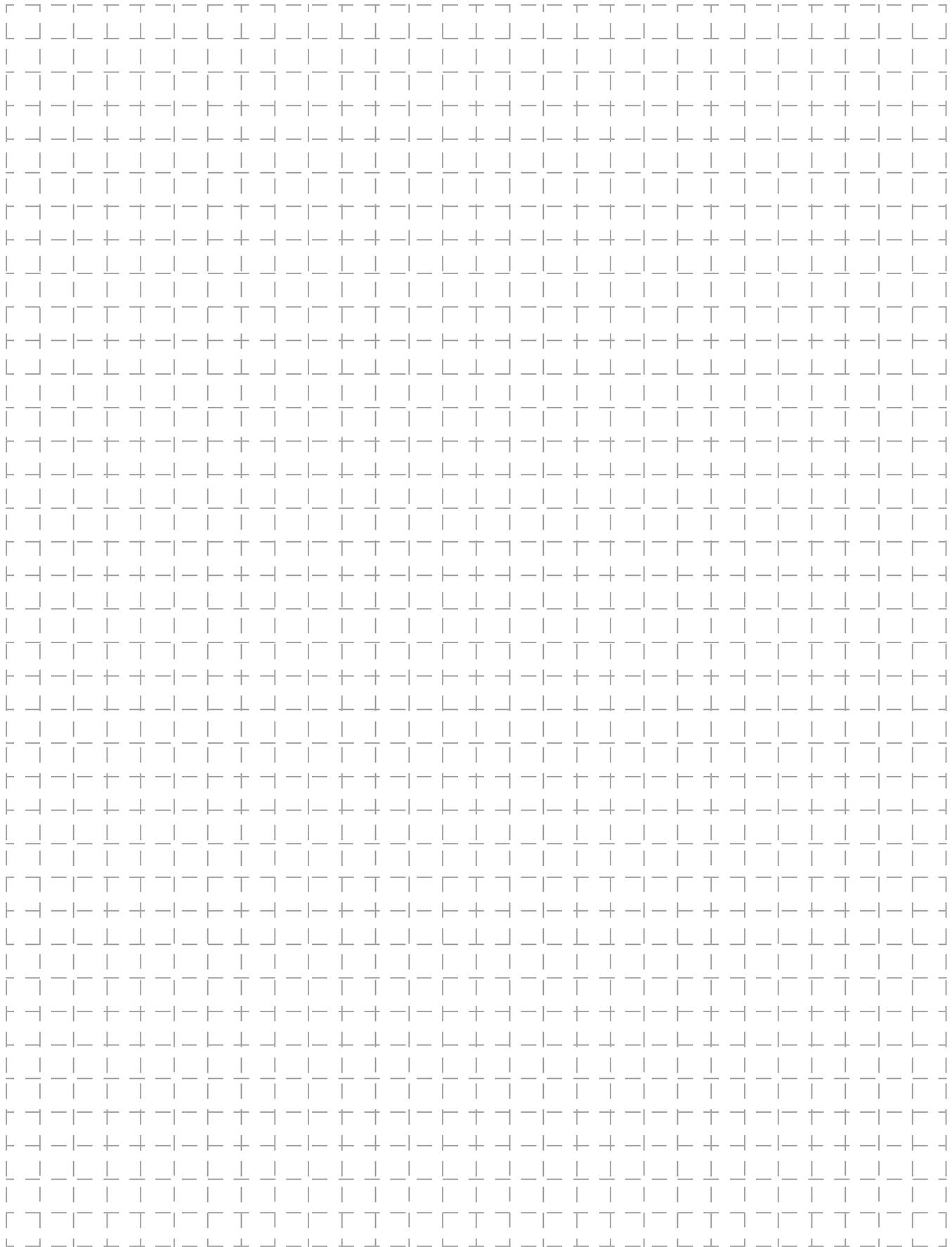
## Characteristics

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