Tilt Sensor – D7E-3

- Pure mechanical tilt sensor.
- Sealed enclosure.
- Output capacity from 0.1mA at 5VDC to 100mA at 30VDC.



Ordering Information

Model	Operating Angle
D7E-3	50 to 80 degrees

Characteristics

Model	D7E-3
Operating Angle	Tilt of 50 to 80 degrees.
	The value of tilt degree is specified when the switch is tilted gradually (approx. 1 degree/s) from the horizontal.
Returning Angle	Tilt of more than 25 degrees. The value of tilt degree is specified 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: 30mm 2 screws (M3)
	Height: 5.3mm
Soldering	Soldering iron: temperature 350±10°, 3 sec. MAX
Ratings	5VDC, 0.1mA to 30VDC, 100mA (Resistive load)
Insulation Resistance	100MΩ MIN. (250VDC, between each terminal of the same polarity To measure off condition
Contact Resistance	300m Ohm MAX. (Initial value)
Vibration During Transportation	Condition: Vibration: 200 gal (1cycle: 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 degrees to +60 degrees (with no icing and condensation) Humidity: 45 to 95 % RH
Storage temperature and humidity	Temperature: -25 degrees to +60 degrees (with no icing and condensation) Humidity: 45 to 95 % RH Protection
Protection	IP67

(All dimensions in mm)

