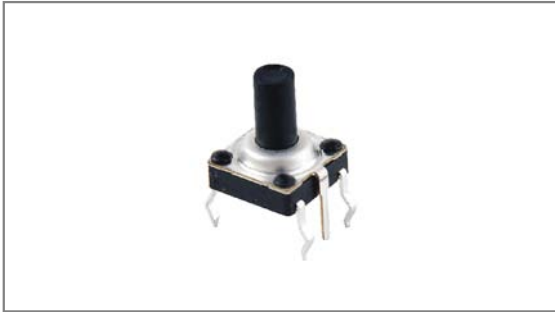


Waterproof switches

INT-1179BG Series 7.2×7.2mm, Ø3.0mm Stem, Through hole type with Ground pin



- **Features** : IP67 dust & water resistance
- **Applications** : Home appliances or Industrial equipments used around water
- **Specifications** :

Rating	DC 12V 50mA
Contact resistance	100mΩ Max.
Travel (mm)	0.25+0.2/-0.1

► Part list

Part No.	Length (mm)	Operating force	Life	QTY per pack (Plastic bag)
INT-1179BG50A	5.0	200±50gf	100,000 Cycles Min.	2K
INT-1179BG90A	9.0			
INT-1179BG13A	13.0			

► Drawing

The drawing section contains three technical drawings:

- Top View:** Shows a square component with a diameter of 7.2 ± 0.1 mm. It features a central stem with a diameter of $\varnothing 3.00$ mm. Contact points are labeled A, B, C, and D. A ground pin is labeled E. Dimensions include a distance of 1.0 mm from the top edge to the center of the stem, and a distance of 4.0 mm from the center of the stem to the center of contact point A.
- Side View:** Shows the profile of the switch. The total height is 9.1 ± 0.2 mm. The distance from the top of the stem to the top of the housing is 0.40 MAX. The distance from the top of the housing to the top of the contact is 2.3 mm. The distance from the top of the contact to the top of the ground pin is 3.5 mm. The distance from the top of the ground pin to the bottom of the housing is 3.9 ± 0.2 mm. The distance from the bottom of the housing to the bottom of the contact is 1.0 ± 0.30 mm. The distance from the bottom of the housing to the bottom of the ground pin is 7.9 ± 0.2 mm.
- PCB Dimension:** Shows the layout of the component on a PCB. The component is square with a side length of 7.90 ± 0.2 mm. The distance between the centers of the four mounting holes is 4.0 mm. The distance between the centers of the two ground pins is 5.0 ± 0.1 mm. The diameter of the mounting holes is $\varnothing 0.70$ mm. The diameter of the ground pins is $\varnothing 0.90$ mm.

Circuit diagram: Shows a simple circuit with a battery connected to terminals E and C. Terminal E is also connected to terminal D. Terminal C is connected to terminal A. Terminal D is connected to terminal B. A switch is connected between terminals A and B.

PCB Dimension: Shows the layout of the component on a PCB. The component is square with a side length of 7.90 ± 0.2 mm. The distance between the centers of the four mounting holes is 4.0 mm. The distance between the centers of the two ground pins is 5.0 ± 0.1 mm. The diameter of the mounting holes is $\varnothing 0.70$ mm. The diameter of the ground pins is $\varnothing 0.90$ mm.