

# Sealed Ultra Subminiature Basic Switch with industry's smallest class size

**OMRON**

## D2GW Sealed Basic Switch

**Now on sale**

### Features

#### Industry Smallest Class

Volume ratio that is 62% of conventional models (8.3x6.5x5.3mm)

#### Double-sided twin sliding contacts

High performance due to high contact reliability and foreign material is cleaned by the sliding contact mechanism

#### Wide Variety

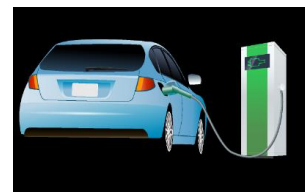
Variety of mounting structures, actuators, and terminal specifications are available. Lever Installation is also possible.



### Specification

Items		
Operating speed		30mm~500mm/s (pin plunger models)
Operating frequency	Mechanical	30 operations/min max.
	Electrical	30 operations/min max
Insulation resistance		100MΩ min. ( at 500 VDC)
Contact resistance (Initial value)	Terminals	500mΩ max.
Dielectric strength	Between same polarity	500 VAC 50/60 Hz 1min
	Between current carrying metal parts and ground	1,500 VAC 50/60 Hz 1min
	Between each terminal and non-current carrying metal part	1,500 VAC 50/60 Hz 1min
Vibration resistance *1	Malfunction	10 to 55Hz, 1.5mm double amplitude
Shock resistance	Destruction	1,000 m/s <sup>2</sup> Max.
	Malfunction *1	300 m/s <sup>2</sup> Max.
Durability *2	Mechanical	200,000 operations Min. (at 30ops./min.)
	Electrical	200,000 operations Min. (at 20ops./min.)
Degree of protection		IEC IP67
Ambient operating temperature		-40 to +85°C (at 60% RH Max.) (with no icing or condensation)
Ambient operation humidity		95%RH max. (for +5 to +35°C)
Heat resistance		85°C 500 hours
Cold resistance		-40°C 500 hours
Humidity resistance		70°C 95%RH 500 hours
Temperature cycle resistance		-40°C (12 hours <--> 55°C (12 hours) 5 cycles
Weight		Approx. 0.5g (for pin plunger models with terminals)

### Application



EV Chargers



Electronic Locks



Metering Devices



Security Devices