

## G5W11 Series

### Waterproof Micro Switch



#### ■ Features

- Water Proof and Dust Proof
- Tight Structure, Small Contact Gap
- Snap Action High Sensitivity
- Long Life, high Precision and Reliability
- Widely used in Auto, Agricultural Equipment, Applications, Office Equipment etc
- Max Approved Current at ENEC/UL is 10A

#### ■ Application

- Home Appliances
- Electronic Devices
- Automatic Equipments
- Auto Electronics
- Agricultural Equipments
- Office Equipments

#### ■ Parameters:

Rating	W1	ENEC: 0.1A 48VDC,0.1A 125/250VAC, 40T85. $\mu$ 5E4 UL 0.1A 48VDC,0.1A 125/250VAC, T85
	W2	ENEC: 5A 48VDC, 0. 1A 125/250VAC, 40T85. $\mu$ 5E4 UL:5A 125/250VAC,5A 30VDC T85
	W3	ENEC: 10(2)A 125/250VAC,0.5A 125VDC,0.25A 250VDC,40T85, $\mu$ , 2E4 UL: 10.1A 1/10HP 125/250VAC,0.5A 125VDC,0.25A 250VDC, T85
Operating Frequency	Electrical	10~30 times/min
	Mechanical	60 times/min
Contact Resistance (Initial Value)	with terminal type	50m $\Omega$ Max
	with wire type	100m $\Omega$ Max (Depends on the length of the wire)
Insulation Resistance		At 500VDC,100m $\Omega$ Min.
Dielectric Strength	Between terminals	AC 1000V 50-60Hz 1min
	Between terminals and housing	AC 1500V 50-60Hz 1min
Operating Temperature		-40°C~+85°C
Operating Humidity		85%RH Max
Protection Grade	With terminal type	IEC IP67(terminal excepted)
	With wire type	IEC IP67
Electric-shock safeguard grade		Class II
Life	E-Life	20,000 time~100,000 time above ( Depending on the type ) 2E4~10E4 cycles(depends on P/Ns)
	M-Life	Over 500,000cycles or 1,000,000cycles(60cycles/min)
Unit Net Weight		Approx.7g(with terminals type and without lever)

## G5W11 Series Waterproof Micro Switch Ordering Instruction

G5	W	11	E	Z	200	A	01	XX			
Switch Type	Temperature Grade	Electrical Rating	Terminal Style	Circuit Code	Operating Force at pin Plunger, Max	Lever Position	Lever Type	Special Designator			
W	40T85 IECIP67	<b>11</b> ENEC/CQC: Rating 1: 0.1A48VDC,0.1A125/250VAC,40T85,II 5E4 Rating 2: 5A125/250VAC,5A,30VDC,40T85,II 5E4 Rating 3: 10(2)A125/250VAC,0.5A125VDC,0.25A250VDC,40T85,II,2E4  UL/cUL: Rating 1: 0.1A48VDC,0.1A125/250VAC,T85 Rating 2: 5A125/250VAC,T85 Rating 3: 10.1A1/10HP 125/250VAC,0.5A 125VDC,0.25A250VDC,T85	E	4.70x0.5mm 0.187"x0.020" Quick Connect	Z	SPDT	015	15gf	No lever Pin Plunger	No lever Pin Plunger	W1 W1:Rating1 (Note: standard wire:UL1015,24#,300MM)  W2 W2:Rating2 (Note: standard wire:UL1015,20#,300MM)  W3 W3:Rating3 (Note: standard wire:UL1015,18#,300MM)
C	SPST-NC	050	50gf	B	NearPin Plunger	02	Std. Straight Lever				
								100	100gf	03	LongStraight Lever
200	200gf	04	SimulatedRoller Lever								
				05	Roller Lever						
06	Long Roller Lever										
		...	Special								
...	.....										
99	Special Lever										

**Remarks:**

G5W11(rating 2): 50gf Min.Grade  
G5W11(rating 3): 100gf Min.Grade

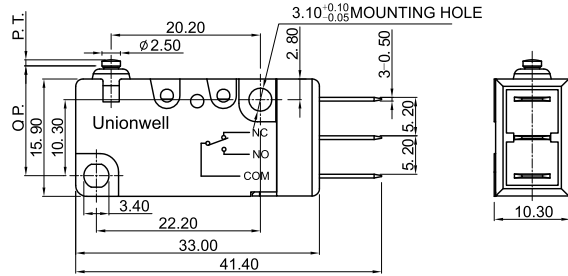
◆ **Dimensions and Operating Characteristics**

(Unit:mm)

◆ **G5W11-E□□-W□**



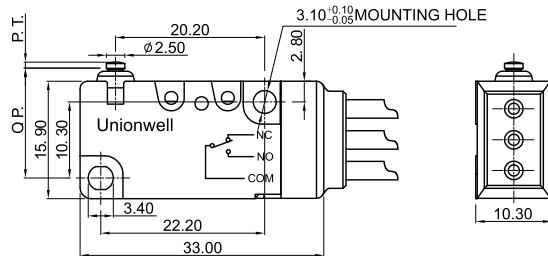
Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD Max (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-EZ015-W□	0.30	30	0.05	5	1.6	0.8	0.4	14.7±0.5
G5W11-EZ025-W□	0.40	40	0.10	10	1.6	0.8	0.4	14.7±0.5
G5W11-EZ050-W□	0.64	65	0.15	15	1.6	0.8	0.4	14.7±0.5
G5W11-EZ100-W□	1.08	110	0.35	35	1.6	0.8	0.4	14.7±0.5
G5W11-EZ200-W□	2.06	210	0.60	60	1.6	0.8	0.4	14.7±0.5



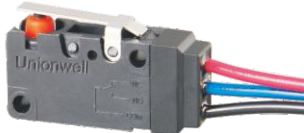
◆ **G5W11-W□□-W□**



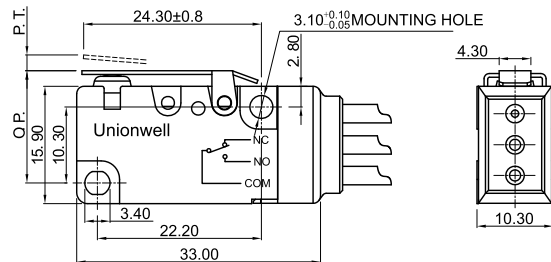
Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD Max (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-WZ015-W□	0.30	30	0.05	5	1.6	0.8	0.4	14.7±0.5
G5W11-WZ025-W□	0.40	40	0.10	10	1.6	0.8	0.4	14.7±0.5
G5W11-WZ050-W□	0.64	65	0.15	15	1.6	0.8	0.4	14.7±0.5
G5W11-WZ100-W□	1.08	110	0.35	35	1.6	0.8	0.4	14.7±0.5
G5W11-WZ200-W□	2.06	210	0.60	60	1.6	0.8	0.4	14.7±0.5



◆ **G5W11-W□□A01-W□**



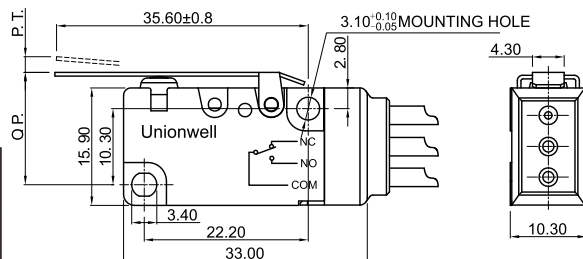
Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD Max (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-WZ015A01-W□	0.30	30	0.05	5	1.6	0.8	0.4	15.3±0.5
G5W11-WZ025A01-W□	0.40	40	0.10	10	1.6	0.8	0.4	15.3±0.5
G5W11-WZ050A01-W□	0.64	65	0.15	15	1.6	0.8	0.4	15.3±0.5
G5W11-WZ100A01-W□	1.08	110	0.35	35	1.6	0.8	0.4	15.3±0.5
G5W11-WZ200A01-W□	2.06	210	0.59	60	1.6	0.8	0.4	15.3±0.5



◆ **G5W11-W□□A02-W□**



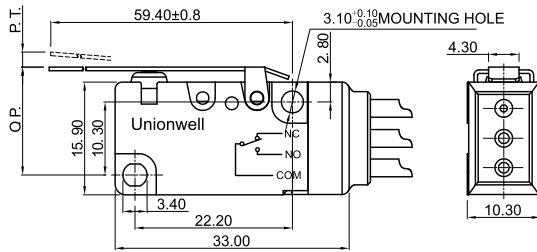
Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD Max (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-WZ015A02-W□	0.20	20	0.05	5	3.2	1.3	1.2	15.3±0.5
G5W11-WZ025A02-W□	0.25	25	0.08	8	3.2	1.3	1.2	15.3±0.5
G5W11-WZ050A02-W□	0.40	40	0.15	15	3.2	1.3	1.2	15.3±0.5
G5W11-WZ100A02-W□	1.60	65	0.25	25	3.2	1.3	1.2	15.3±0.5
G5W11-WZ200A02-W□	1.27	130	0.35	35	3.2	1.3	1.2	15.3±0.5



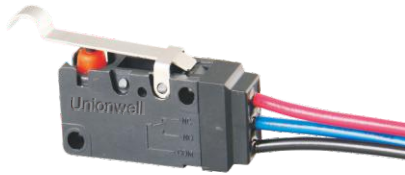
◆G5W11-W□□A03-W□



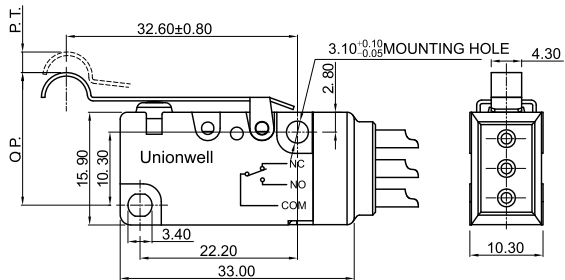
Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD Max (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-WZ015A03-W□	0.10	10	0.03	3	6.4	2.6	2.4	15.3±3
G5W11-WZ025A03-W□	0.15	15	0.05	5	6.4	2.6	2.4	15.3±3
G5W11-WZ050A03-W□	0.20	20	0.08	8	6.4	2.6	2.4	15.3±3
G5W11-WZ100A03-W□	0.35	35	0.10	10	6.4	2.6	2.4	15.3±3
G5W11-WZ200A03-W□	0.64	65	0.15	15	6.4	2.6	2.4	15.3±3



◆G5W11-W□□A04-W□



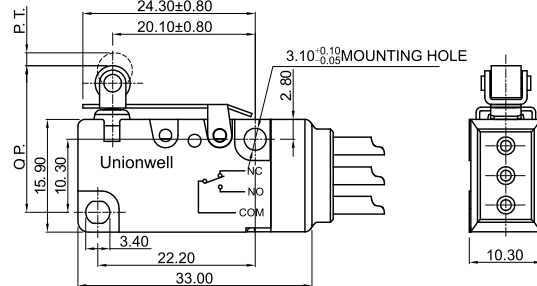
Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD Max (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-WZ015A04-W□	0.20	20	0.05	5	3.2	1.3	1.2	18.5±1.5
G5W11-WZ025A04-W□	0.25	25	0.08	8	3.2	1.3	1.2	18.5±1.5
G5W11-WZ050A04-W□	0.40	40	0.15	15	3.2	1.3	1.2	18.5±1.5
G5W11-WZ100A04-W□	0.64	65	0.25	25	3.2	1.3	1.2	18.5±1.5
G5W11-WZ200A04-W□	1.27	130	0.35	35	3.2	1.3	1.2	18.5±1.5



◆G5W11-W□□A05-W□



Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD Max (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-WZ015A05-W□	0.30	30	0.05	5	3.2	0.8	0.4	20.6±0.8
G5W11-WZ025A05-W□	0.40	40	0.10	10	3.2	0.8	0.4	20.6±0.8
G5W11-WZ050A05-W□	0.64	65	0.15	15	3.2	0.8	0.4	20.6±0.8
G5W11-WZ100A05-W□	1.18	120	0.35	35	3.2	0.8	0.4	20.6±0.8
G5W11-WZ200A05-W□	2.35	240	0.59	60	3.2	0.8	0.4	20.6±0.8



◆G5W11-W□□A06-W□



Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD Max (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-WZ015A06-W□	0.20	20	0.05	5	3.2	1.3	1.2	20.6±1.6
G5W11-WZ025A06-W□	0.25	25	0.08	8	3.2	1.3	1.2	20.6±1.6
G5W11-WZ050A06-W□	0.40	40	0.15	15	3.2	1.3	1.2	20.6±1.6
G5W11-WZ100A06-W□	0.64	65	0.25	25	3.2	1.3	1.2	20.6±1.6
G5W11-WZ200A06-W□	1.27	130	0.35	35	3.2	1.3	1.2	20.6±1.6

