

G5W11 Series

Sealed Waterproof and Dustproof 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, home appliance, 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 μ 5E4 UL: 0.1A 48VDC, 0.1A 125/250VAC, T85
	W2	ENEC 5A 48VDC, 0.1A 125/250VAC, 40T85 μ 2E4 UL: 5A 125/250VAC, 5A 30VDC, T85
	W3	ENEC 10(2)A 125/250VAC, 0.5A 125VDC, 0.25A 250VDC 40T85 μ 2E4 UL: 10.1A 1/10HP 125/250VAC, 0.5A 125VDC, 0.25A 250VDC, T85
Operating Frequency	Electrical	10~30 cycles/min
	Mechanical	60 cycles/min
Contact Resistance (Initial Value)	With Terminal Type	50 m Ω Max
	With Wire Type	100 m Ω Max (Depends on the length of the wire)
Insulation Resistance	at 500VDC, 100M Ω Min.	
Dielectric Strength	Between Terminals	AC 1000V 50-60Hz 1min
	Between Terminals and Housing	AC 1500V 50-60Hz 1min
Operating Temperature	-40 $^{\circ}$ C~+85 $^{\circ}$ C	
Operating Humidity	85%RH Max	
Protection Grade	With Terminal Type	IEC IP67 (Exclude terminal)
	With Wire Type	IEC IP67
Electric-shock Safeguard Grade	Class II	
Service Life	Electrical	2E4~10E4 cycles (Depends on P/N)
	Mechanical	Over 500,000 cycles or 1,000,000 cycles (60 cycles/min)
Unit Net Weight	Approx. 7g (With terminals type and without lever)	

G5W11 Series Sealed Micro Switch Ordering Instruction

G5	W	11	E	Z
Switch Type	Temperature Grade	Electrical Rating	Terminal Style	Circuitry
W	40T85 IEC IP67	11 ENEC/CQC: Rating 1: 0.1A 48VDC, 0.1A 125/250VAC, 40T85 μ 5E4 Rating 2: 5A 125/250VAC, 5A, 30VDC, 40T85 μ 5E4 Rating 3: 10(2)A 125/250VAC, 0.5A 125VDC, 0.25A 250VDC, 480T85 μ 2E4 UL/cUL: Rating 1: 0.1A 48VDC, 0.1A 125/250VAC, T85 Rating 2: 5A 125/250VAC, T85 Rating 3: 10.1A 1/10HP 125/250VAC, 0.5A 125VDC, 0.25A 250VDC, T85	E 4.70x0.5mm 0.187"x0.020" Quick Connect	Z SPDT
			W Terminals for External Conductors (for G5W11 series only)	P SPST-NO
				C SPST-NC

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

200	A	01	W1	T001	U
Operating Force at pin Plunger,Max	Lever Position	Lever Type	AWG Number & Wires Length	Custom Code	LOGO
015 15gf	No Lever Pin Plunger	No Lever Pin Plunger	W1 W1: Rating 1 (Note: standard wire: UL1015, 24#, 300MM) W2 W2: Rating 2 (Note: standard wire: UL1015, 20#, 300MM) W3 W3: Rating 3 (Note: standard wire: UL1015, 18#, 300MM)	General T001 Customized according to requirements, the code format is T+ serial number XXX, for example: T001 ... Other	U Unionwell ... Other
025 25gf	A Far From Pin Plunger	01 Short Straight Lever		... Other	
050 50gf	B Near Pin Plunger	02 Std. Straight Lever	... Special		
100 100gf		03 Long Straight Lever			
200 200gf		04 Simulated Roller Lever			
		05 Roller Lever			
		06 Long Roller Lever			
				
		99 Special Lever			

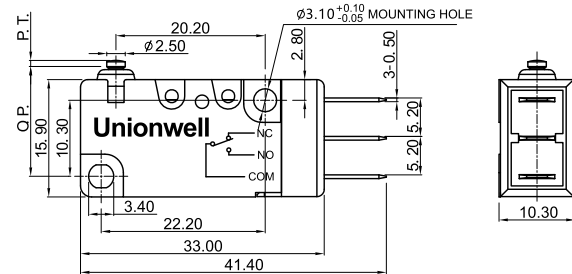
Dimensions and Operating Characteristics

(Unit:mm)

◆G5W11-E□□-W□□



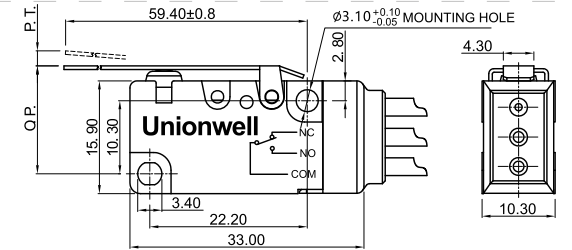
Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD MAX (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-EZ015-W□□	0.30	30	0.05	5	1.6	0.8	0.4	14.7±0.5
G5W11-EZ025-W□□	0.40	40	0.10	10	1.6	0.8	0.4	14.7±0.5
G5W11-EZ050-W□□	0.64	65	0.15	15	1.6	0.8	0.4	14.7±0.5
G5W11-EZ100-W□□	1.08	110	0.35	35	1.6	0.8	0.4	14.7±0.5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



◆G5W11-W□□A03-W□□



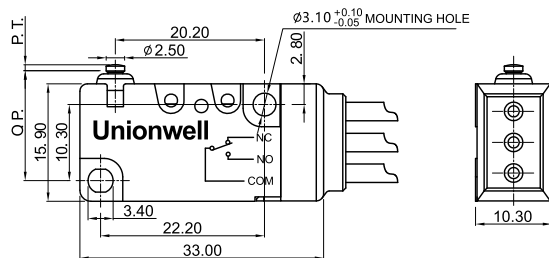
Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD MAX (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-WZ015A03-W□□	0.10	10	0.03	3	6.4	2.6	2.4	15.3±3
G5W11-WZ025A03-W□□	0.15	15	0.05	5	6.4	2.6	2.4	15.3±3
G5W11-WZ050A03-W□□	0.20	20	0.08	8	6.4	2.6	2.4	15.3±3
G5W11-WZ100A03-W□□	0.35	35	0.10	10	6.4	2.6	2.4	15.3±3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



◆G5W11-W□□-W□□



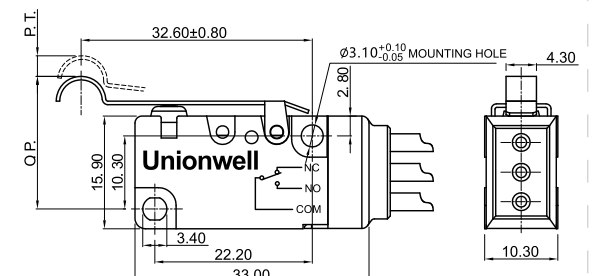
Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD MAX (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-WZ015-W□□	0.30	30	0.05	5	1.6	0.8	0.4	14.7±0.5
G5W11-WZ025-W□□	0.40	40	0.10	10	1.6	0.8	0.4	14.7±0.5
G5W11-WZ050-W□□	0.64	65	0.15	15	1.6	0.8	0.4	14.7±0.5
G5W11-WZ100-W□□	1.08	110	0.35	35	1.6	0.8	0.4	14.7±0.5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



◆G5W11-W□□A04-W□□



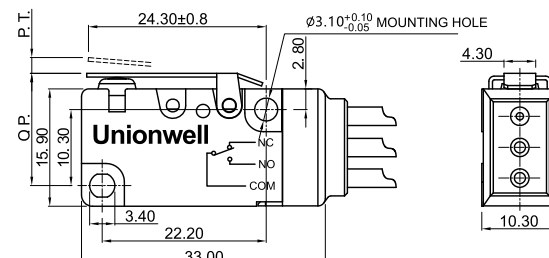
Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD MAX (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-WZ015A04-W□□	0.20	20	0.05	5	3.2	1.3	1.2	18.5±1.5
G5W11-WZ025A04-W□□	0.25	25	0.08	8	3.2	1.3	1.2	18.5±1.5
G5W11-WZ050A04-W□□	0.40	40	0.15	15	3.2	1.3	1.2	18.5±1.5
G5W11-WZ100A04-W□□	0.64	65	0.25	25	3.2	1.3	1.2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



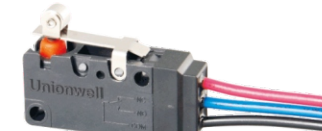
◆G5W11-W□□A01-W□□



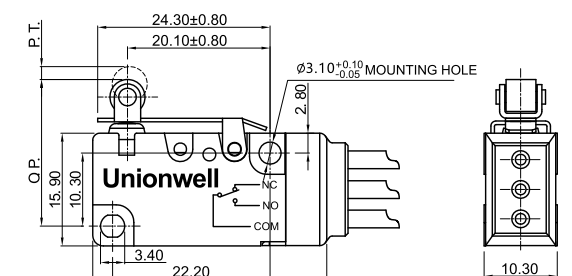
Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD MAX (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-WZ015A01-W□□	0.30	30	0.05	5	1.6	0.8	0.4	15.3±0.5
G5W11-WZ025A01-W□□	0.40	40	0.10	10	1.6	0.8	0.4	15.3±0.5
G5W11-WZ050A01-W□□	0.64	65	0.15	15	1.6	0.8	0.4	15.3±0.5
G5W11-WZ100A01-W□□	1.08	110	0.35	35	1.6	0.8	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□□A05-W□□



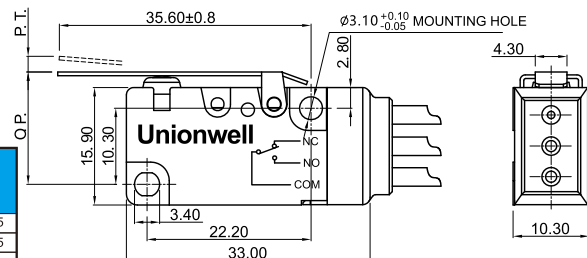
Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD MAX (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-WZ015A05-W□□	0.30	30	0.05	5	3.2	0.8	0.4	20.6±0.8
G5W11-WZ025A05-W□□	0.40	40	0.10	10	3.2	0.8	0.4	20.6±0.8
G5W11-WZ050A05-W□□	0.64	65	0.15	15	3.2	0.8	0.4	20.6±0.8
G5W11-WZ100A05-W□□	1.18	120	0.35	35	3.2	0.8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

