

G5W11 Series

Waterproof and Dustproof Basic 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°C~+85°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	Z	
			4.70x0.5mm 0.187"x0.020" Quick Connect		SPDT
			W	P	Terminals for External Conductors (for G5W11 series only) 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	... Special	... Other	
050	50gf	B Near Pin Plunger	02 Std. Straight Lever			
100	100gf		03 Long Straight Lever			
200	200gf		04 Simulated Roller Lever			
			05 Roller Lever			
			06 Long Roller Lever			
					
			99 Special Lever			

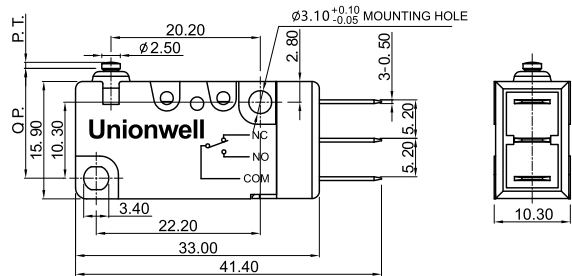
■ Dimensions and Operating Characteristics

(Unit:mm)

◆ G5W11-E□□-W□U



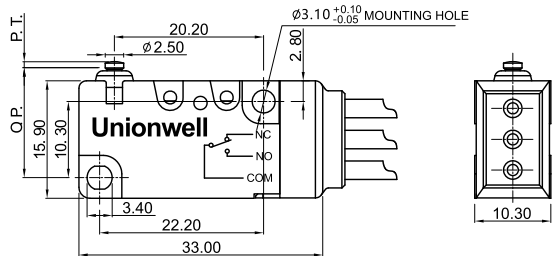
	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD MAX (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-EZ015-W□U	0.30	30	0.05	5	1.6	0.8	0.4	14.7±0.5
G5W11-EZ025-W□U	0.40	40	0.10	10	1.6	0.8	0.4	14.7±0.5
G5W11-EZ050-W□U	0.64	65	0.15	15	1.6	0.8	0.4	14.7±0.5
G5W11-EZ100-W□U	1.08	110	0.35	35	1.6	0.8	0.4	14.7±0.5
G5W11-EZ200-W□U	2.06	210	0.60	60	1.6	0.8	0.4	14.7±0.5



◆ G5W11-W□□-W□U



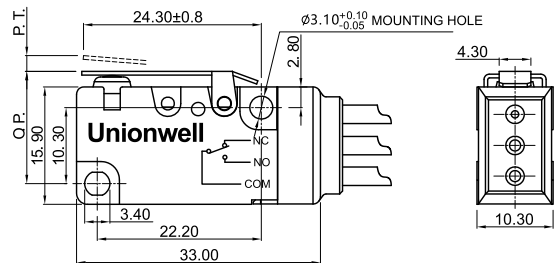
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	(N)	(gf)	(N)	(gf)				
G5W11-WZ015-W□U	0.30	30	0.05	5	1.6	0.8	0.4	14.7±0.5
G5W11-WZ025-W□U	0.40	40	0.10	10	1.6	0.8	0.4	14.7±0.5
G5W11-WZ050-W□U	0.64	65	0.15	15	1.6	0.8	0.4	14.7±0.5
G5W11-WZ100-W□U	1.08	110	0.35	35	1.6	0.8	0.4	14.7±0.5
G5W11-WZ200-W□U	2.06	210	0.60	60	1.6	0.8	0.4	14.7±0.5



◆ G5W11-W□□A01-W□U



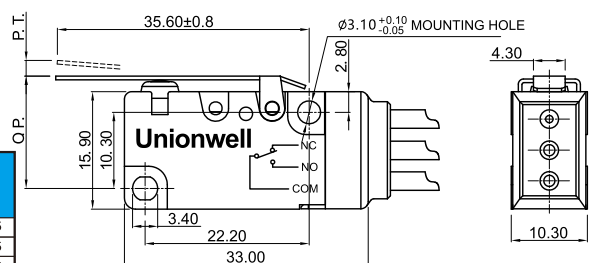
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	(N)	(gf)	(N)	(gf)				
G5W11-WZ015A01-W□U	0.30	30	0.05	5	1.6	0.8	0.4	15.3±0.5
G5W11-WZ025A01-W□U	0.40	40	0.10	10	1.6	0.8	0.4	15.3±0.5
G5W11-WZ050A01-W□U	0.64	65	0.15	15	1.6	0.8	0.4	15.3±0.5
G5W11-WZ100A01-W□U	1.08	110	0.35	35	1.6	0.8	0.4	15.3±0.5
G5W11-WZ200A01-W□U	2.06	210	0.59	60	1.6	0.8	0.4	15.3±0.5



◆ G5W11-W□□A02-W□U



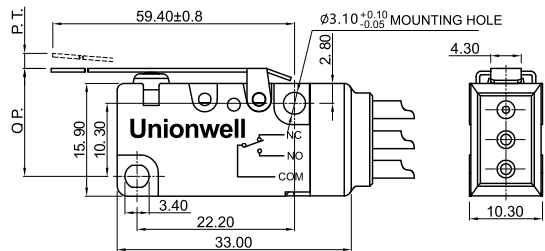
	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD MAX (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-WZ015A02-W□U	0.20	20	0.05	5	3.2	1.3	1.2	15.3±0.5
G5W11-WZ025A02-W□U	0.25	25	0.08	8	3.2	1.3	1.2	15.3±0.5
G5W11-WZ050A02-W□U	0.40	40	0.15	15	3.2	1.3	1.2	15.3±0.5
G5W11-WZ100A02-W□U	1.60	65	0.25	25	3.2	1.3	1.2	15.3±0.5
G5W11-WZ200A02-W□U	1.27	130	0.35	35	3.2	1.3	1.2	15.3±0.5



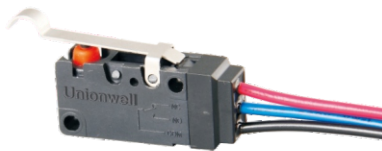
◆ G5W11-W□□A03-W□U



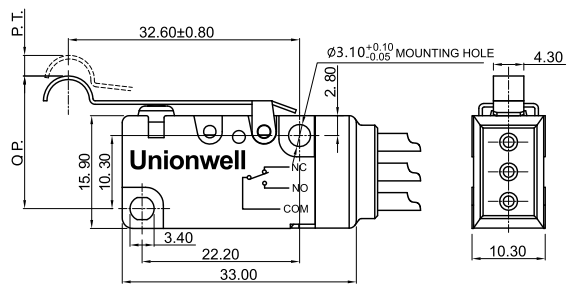
Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD MAX (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-WZ015A03-W□U	0.10	10	0.03	3	6.4	2.6	2.4	15.3±3
G5W11-WZ025A03-W□U	0.15	15	0.05	5	6.4	2.6	2.4	15.3±3
G5W11-WZ050A03-W□U	0.20	20	0.08	8	6.4	2.6	2.4	15.3±3
G5W11-WZ100A03-W□U	0.35	35	0.10	10	6.4	2.6	2.4	15.3±3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



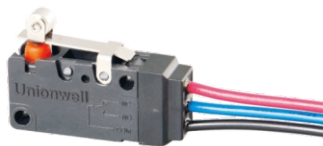
◆ G5W11-W□□A04-W□U



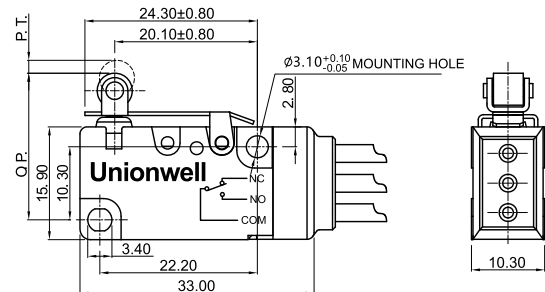
Part NO	OF Max		RF Min		PT Max (mm)	OT Min (mm)	MD MAX (mm)	OP (mm)
	(N)	(gf)	(N)	(gf)				
G5W11-WZ015A04-W□U	0.20	20	0.05	5	3.2	1.3	1.2	18.5±1.5
G5W11-WZ025A04-W□U	0.25	25	0.08	8	3.2	1.3	1.2	18.5±1.5
G5W11-WZ050A04-W□U	0.40	40	0.15	15	3.2	1.3	1.2	18.5±1.5
G5W11-WZ100A04-W□U	0.64	65	0.25	25	3.2	1.3	1.2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



◆ G5W11-W□□A05-W□U



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



◆ G5W11-W□□A06-W□U



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

