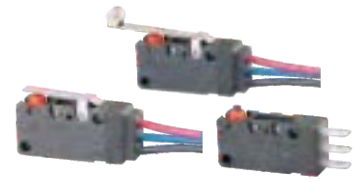
G5W11 Series

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

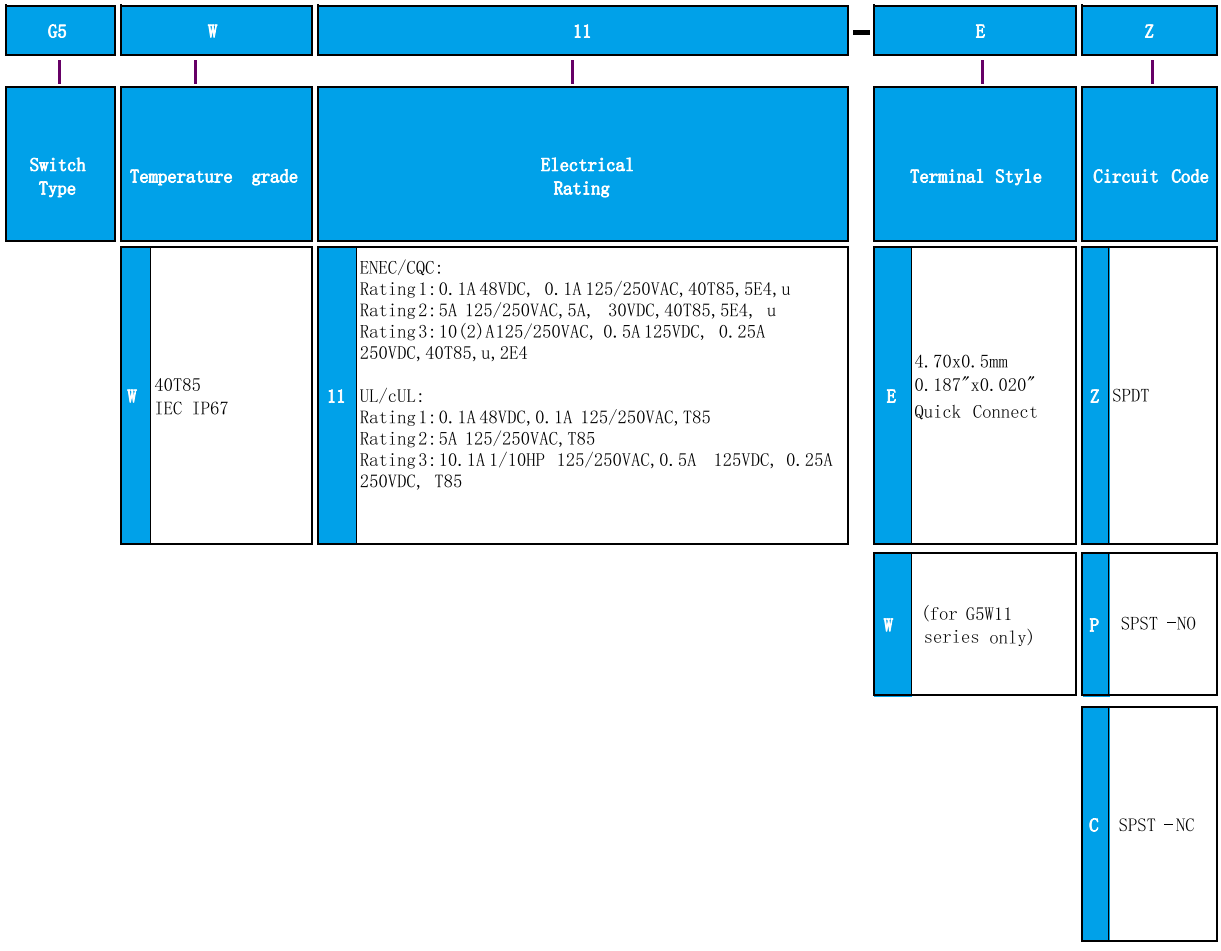
■Application

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

■Parameters:

Rating	W1	ENEC 0.1A 48VDC, 0.1A 125/250VAC, 40T85, 5E4, u UL 0.1A 48VDC, 0.1A 125/250VAC, T85
	W2	ENEC: 5A 48VDC, 0.1A 125/250VAC, 40T85, 5E4, u UL:5A 125/250VAC, 5A 30VDC T85
	W3	ENEC 10(2)A 125/250VAC, 0.5A 125VDC, 0.25A 250VDC, 40T85, u, 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 (Intial Value)	with terminal type	50mΩMax
	with wire type	100mΩMax (Depends on the length of the wire)
Insulation Resistance		At 500vdc, 100MΩMin.
Dielectric Strength	Between terminals	AC 1000V 50-60Hz 1min
	Between terminals and housing	AC 1500V 50-60Hz 1min
Storage Temperature		-40° C~+85° C
Strorage Humidity		85%RH Max
Protection Grade	With terminal type	IEC IP67(expect terminal)
	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 Sealed Micro Switch Instruction Ordering



Description:

G5W11(rating 2): 50gf Min.Grade

G5W11(rating 3): 100gf Min.Grade

200	A	01	-	XX
Operating Force at pin Plunger, Max	Lever Position	Lever Type		Special Designator

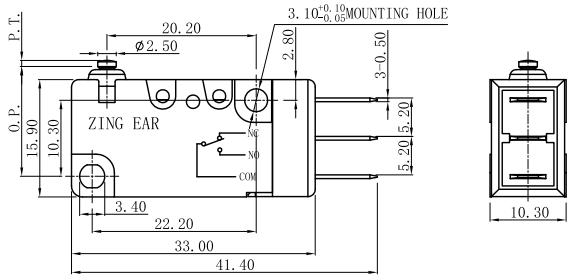
015	15gf		No lever Pin Plunger		No lever Pin Plunger	W1	W1: Rating 1 (Note:standard wire:UL1015, 24#, 300MM)
025	25gf	A	Far From Pin Plunger	01	Short Straight Lever	W2	W2: Rating 2 (Note: standard wire:UL1015, 20#, 300MM)
050	50gf	B	Near Pin Plunger	02	Std. Straight Lever	W3	W3: Rating 3 (Note: standard wire:UL1015, 18#, 300MM)
100	100gf			03	Long Straight Lever	...	Special
200	200gf			04	Simulated Roller Lever		
				05	Roller Lever		
				06	Long Roller Lever		
				...	.....		
				99	Special Lever		

◆ Dimensions and Operating Charateristics

(Unit:mm)

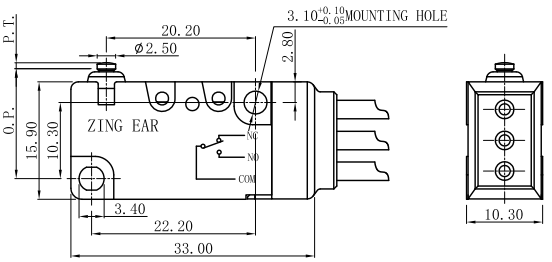
◆G5W11-E□ □-W□

Part NO	OF Max (N)	OF Max (gf)	RF Min (N)	RF Min (gf)	PT Max (mm)	OT Min (mm)	MD Max (mm)	OP (mm)
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



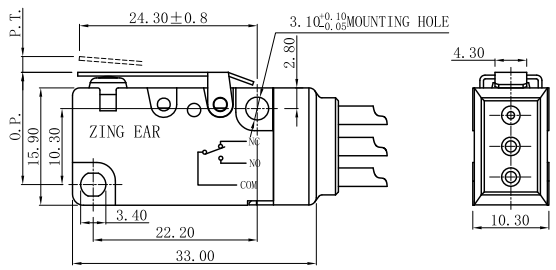
◆G5W11-W□ □-W□

Part NO	OF Max (N)	OF Max (gf)	RF Min (N)	RF Min (gf)	PT Max (mm)	OT Min (mm)	MD Max (mm)	OP (mm)
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



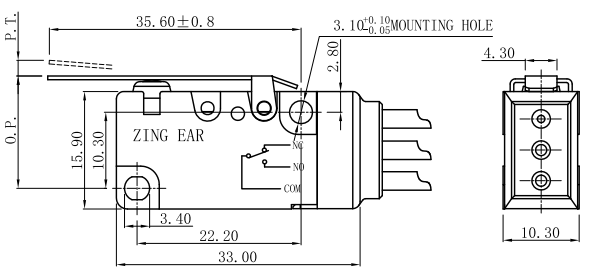
◆G5W11-W□ □A01-W□

Part NO	OF Max (N)	OF Max (gf)	RF Min (N)	RF Min (gf)	PT Max (mm)	OT Min (mm)	MD Max (mm)	OP (mm)
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



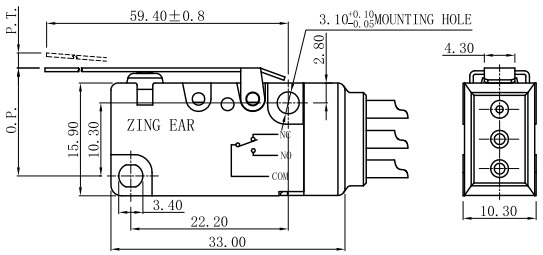
◆G5W11-W□ □A02-W□

Part NO	OF Max (N)	OF Max (gf)	RF Min (N)	RF Min (gf)	PT Max (mm)	OT Min (mm)	MD Max (mm)	OP (mm)
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



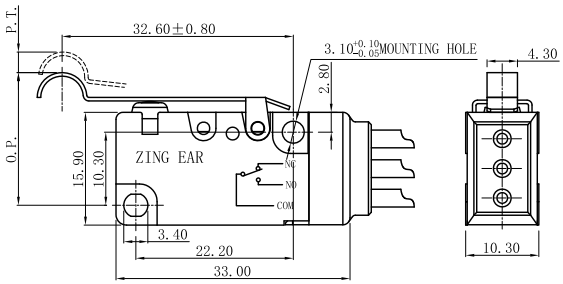
◆G5W11-W□ □A03-W□

Part NO	OF Max		RF Min		PT Max	OT Min	MD Max	OP
	(N)	(gf)	(N)	(gf)	(mm)	(mm)	(mm)	(mm)
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



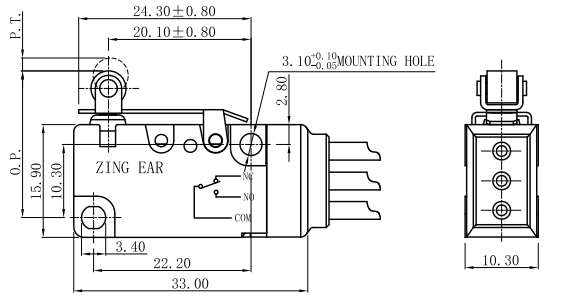
◆G5W11-W□ □A04-W□

Part NO	OF Max		RF Min		PT Max	OT Min	MD Max	OP
	(N)	(gf)	(N)	(gf)	(mm)	(mm)	(mm)	(mm)
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	OT Min	MD Max	OP
	(N)	(gf)	(N)	(gf)	(mm)	(mm)	(mm)	(mm)
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	OT Min	MD Max	OP
	(N)	(gf)	(N)	(gf)	(mm)	(mm)	(mm)	(mm)
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