

# Unionwell

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## G11 Series

Waterproof and Dustproof  
DPDT Limit Micro Switch



### ■ Features

- ◆ Small Size and compact structure
- ◆ Long life and high reliability
- ◆ Dust and water proof design(IP67)
- ◆ DPDT double-break switching mechanism
- ◆ Variety of mounting method and operation type
- ◆ Widely used in industry control,and more.

### ■ Application

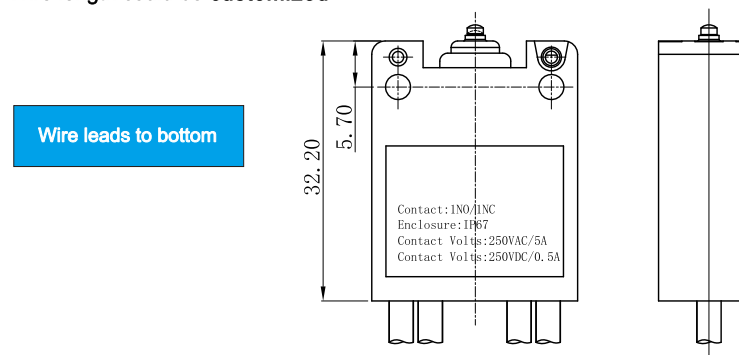
- ◆ Electrical Actuators
- ◆ Valve Control
- ◆ Power Station Control
- ◆ Industrial Auto Control
- ◆ Nuclear Power Facilities
- ◆ Automobile Production Line

### ■ Parameters:

Rating	05	0.5A 250VDC
		0.5A/5A 250VAC
Operating Frequency	Electrical	10~30 cycles/min
	Mechanical	10~30 cycles/min
Contact Resistance (Initial Value)		30~100mΩ Max (Depends on P/N, wire resistance excluded)
Insulation Resistance (at 500 VDC)		100MΩ Min
Dielectric Strength		AC750V RMS (50-60Hz)
Operating Temperature		-25°C~+85°C
Operating Humidity		85% RH Max
Service Life	Electrical	50,000 cycles (Depends on P/N)
	Mechanical	2,000,000 cycles
Unit Net Weight		Approx. 110g (8 Wires)

### ■ With Wire Type

- ◆ Wire length could be customized



G11	Switch Type	G11 Series Micro Switch	
		05	Electrical Rating
350	Max Operating Force at Pin Plunger	350g Max (Only for switches with 4 wires 1NO/1NC)	450g Max (Only for switches with 8 wires 2NO/2NC)
00	Lever Type	00 No lever pin plunger	01 Straight lever 10mm wide* 24mm long
D	Circuitry	D DPDT	E NO DPDT- NO
01	Mounting Hole Dimensions	01 5.7mm* $\Phi$ 3.1mm*19mm	02 6.7mm* $\Phi$ 3.1mm*14mm (Only for switches with 4 wires 1NO/1NC)
E1	Wire Type	E1 Wire length 780mm UL1015AWG18 NO black NC brown	F1 Wires leads to the bottom Wire length 610mm 60227 IEC 06 (RV) (NO/NC)
T001	Custom Code	General	Other
U	LOGO	U Unionwell	Other
		01 T+serial number XXX, for example: T001	Other
		03 5.7mm* $\Phi$ 3.5mm*16mm $\Phi$ 3.0mm*7mm (Only for switches with 4 wires 1NO/1NC)	Other (wire material could be customized)
		02 DPDT- NC	03 Roller lever
		Other	Other

## ■ Mounting Hole Dimensions

(Unit:mm)

01#Mounting Hole 5.7mm* $\Phi$ 3.1mm*19mm	02#Mounting Hole 6.7mm* $\Phi$ 3.1mm*14mm	03#Mounting Hole 5.7mm* $\Phi$ 3.5mm*16mm_ $\Phi$ 3.0mm*7mm

## ■ Lever Type

00#: Without lever	01#: Straight lever (10mm width*24mm length)
02#: Straight lever (7mm width*32mm length)	03#: Roller lever

## ■ Circuit Configuration

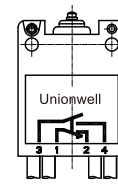
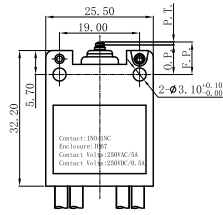
DPDT 1NO+1NC	DPDT 2NO+2NC

## ■ Dimensions and Operating Characteristics

### ◆ G1105-35000D01□U



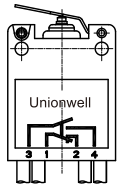
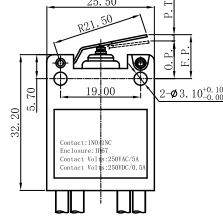
OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
350	40	1.30	0.25	0.45	8.6	7.0±0.3



### ◆ G1105-35001D01□U



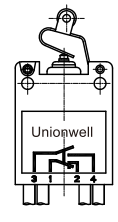
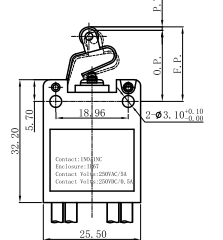
OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
200	10	3.00	0.3	1.30	12.8	8.9±0.9



### ◆ G1105-35003D01□U



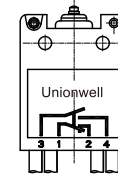
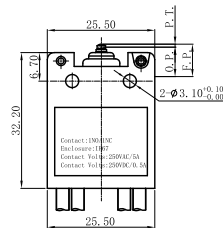
OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
450	40	3.00	0.3	1.30	23.0	19.0±1.0



### ◆ G1105-35000D02□U



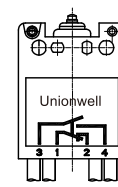
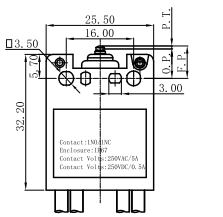
OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
350	40	1.30	0.25	0.45	9.60	8.0±0.3



### ◆ G1105-35000D03□U



OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
350	40	1.30	0.25	0.45	8.60	7.0±0.3



### ◆ G1105-45000D01□U



OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
450	50	1.30	0.25	0.45	8.60	7.0±0.3

