

SWITCH / MICRO SWITCH

G3 Series IP67, 0.1A 125/250VAC

Subminiature Sealed Micro Switch, up to 0.1A 125/250VAC,
48VDC, 3A 12VDC

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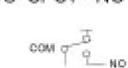
Feature

- Safety approved internationally by cURus in North America, Nemko ENEC in Europe, CQC in Asia
- IP67 protection level for wire type (Nemko ENEC17, CQC)
- SPST-NC, SPST-NO or SPDT
- Wide range of wiring terminals and levers
- With or without posts, left side or right side posts
- Applications in automotive electronics, appliance and Industrial control

Specification

- 0.1A 125/250VAC 48VDC, 3A 12VDC (cURus)
- 0.1A 125/250VAC 48VDC, 3A 12VDC μ 40T85 1E5 (Nemko ENEC17, CQC)
- Initial contact resistance : 100m ohms MAX. (without wire type)
- Insulation resistance : 100M ohm MIN. at 500VDC
- Dielectric strength : 500VAC (50~60Hz)
- Electrical life : 6,000 cycles

How to Order

G3	03	—	130	S	00	A
SERIES SYMBOL G3 SERIES	RATING 03 0.1A 125VAC 0.1A 250VAC 0.1A 48VDC 3A 12VDC	OPERATING FORCE 130 130gf Max. ... Others	TERMINAL STYPE See CHART (1)	LEVER TYPE 00 Pin plunger Others please see CHART (2)	CIRCUIT A SPDT  B SPST - NC  C SPST - NO 	

2	A	—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SHAPE & POST 1 A type no post 2 A type left size posts 3 A type right size posts 4 B type no post 5 B type left size posts 6 B type right size posts 13 C type no post 14 C type left size posts 15 C type right size posts 16 D type no post 17 D type left size posts 18 D type right size posts A, B, C D type see CHART(3)	POST DIMENSION <input type="checkbox"/> Ø 2.6mm*5mm (Standard) A Ø2.2mm*0.9mm B Ø2.5mm*1.5mm ... Others	AWG NO. <input type="checkbox"/> NONE E #20 F #22 G #24 H #26 I #28 J #30 K #32 L #34	CABLE SPEC <input type="checkbox"/> NONE A UL1007 C UL1430 D UL1061 E UL1330 F AVSS H UL1332	CABLE LENGTH <input type="checkbox"/> 300mm (standard) ... Others	

CHART (1) : Terminal style


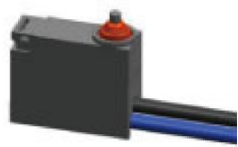
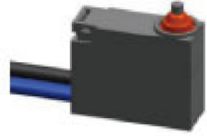
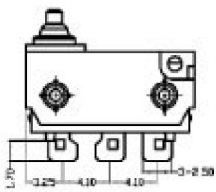
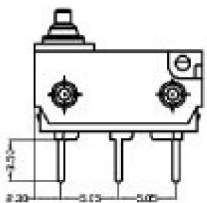
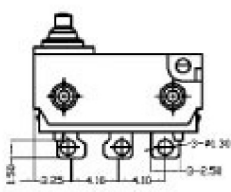
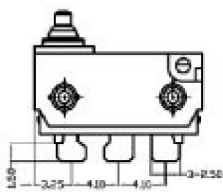
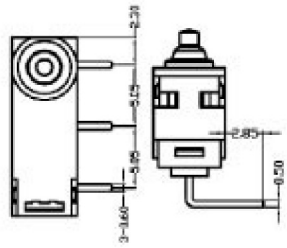
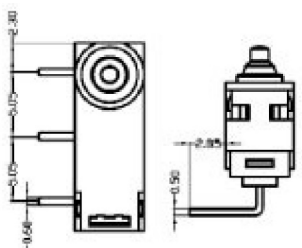
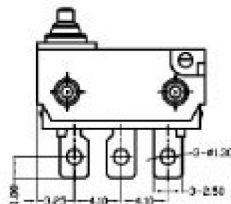
<p>E : Molded lead wires downwards</p> 	<p>G : Molded lead wires on left side (plunger side)</p> 	<p>F : Molded lead wires on right side (opposite plunger side)</p> 	
<p>S : Solder terminals</p> 	<p>P : Straight PCB terminals</p> 	<p>M : Short Solder terminals</p> 	<p>N : No-hole short solder terminals</p> 
<p>R : Right side PCB terminals</p> 	<p>L : Left side PCB terminals</p> 	<p>K : Long solder terminals</p> 	
<p>All terminals thickness : 0.5mm</p>			

CHART (2) : Lever Type

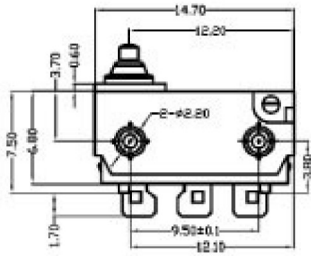
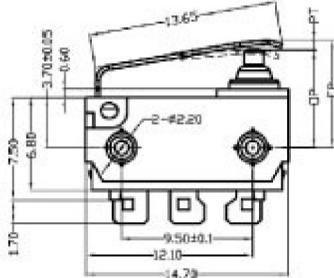
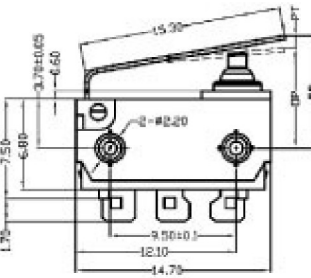
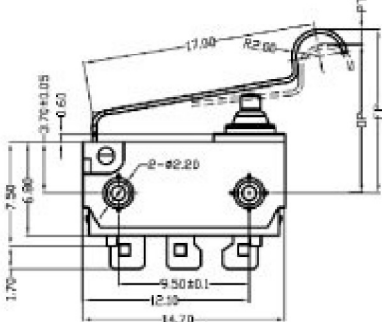
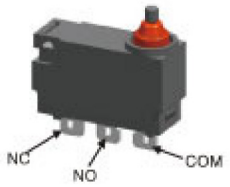
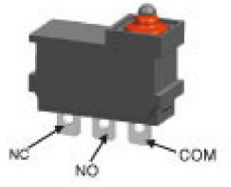
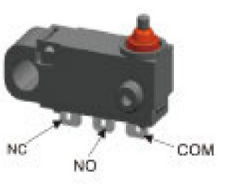
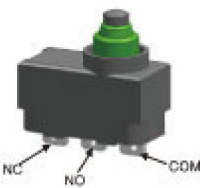
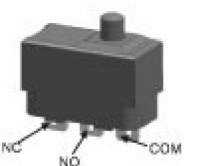
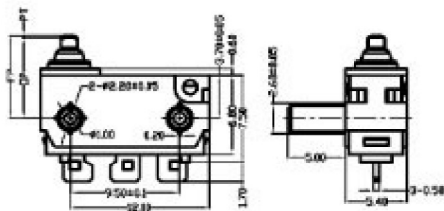
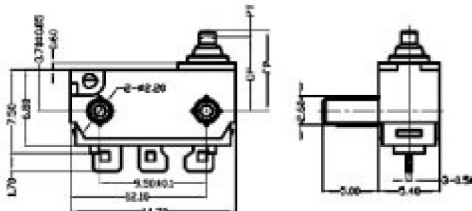
<p>00 : Pin Plunger</p> 	<p>01 : Leaf lever</p> 
<p>02 : Straight leaf lever</p> 	<p>05 : Simulated Roller lever</p> 

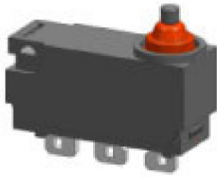
CHART (3) : Switch Shape

<p>A type basic shape</p> 	<p>B type basic shape</p> 	<p>M3 type basic shape</p> 
<p>C type basic shape</p> 		<p>D type basic shape</p> 

Example: A type with Posts

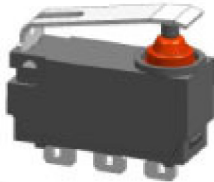
<p>2 : A type left side posts</p> 	<p>3 : A type right side posts</p> 
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◆ G3□□-□□□S00A1



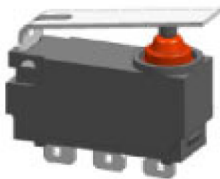
OF Max. (Gf)	Min. (Gf)	PT Max. (Mm)	OT Min. (Mm)	DT Max. (Mm)	FP Max. (Mm)	OP (mm)	
-130	130	13	0.8	0.8	0.2	3.65	3.05±0.2

◆ G3□□-□□□S01A1



OF Max. (Gf)	Min. (Gf)	PT Max. (Mm)	OT Min. (Mm)	DT Max. (Mm)	FP Max. (Mm)	OP (mm)	
-130	220	30	3	0.8	0.5	5.7	3.4±0.5

◆ G3□□-□□□S02A1



OF Max. (Gf)	Min. (Gf)	PT Max. (Mm)	OT Min. (Mm)	DT Max. (Mm)	FP Max. (Mm)	OP (mm)	
-130	195	25	3.5	1.35	0.6	6.8	3.7±0.6

◆ G3□□-□□□S05A1



OF Max. (Gf)	Min. (Gf)	PT Max. (Mm)	OT Min. (Mm)	DT Max. (Mm)	FP Max. (Mm)	OP (mm)	
-130	180	20	3.8	1.5	0.7	9.8	7.0±0.7

◆ G3□□-□□□S00A3



OF Max. (Gf)	Min. (Gf)	PT Max. (Mm)	OT Min. (Mm)	DT Max. (Mm)	FP Max. (Mm)	OP (mm)	
-130	130	13	0.8	0.8	0.2	7.35	6.75±0.2

■ Appearance and Operating Characteristics

◆ G3□□-□□□S00A1



OF Max. (Gf)	Min. (Gf)	PT Max. (Mm)	OT Min. (Mm)	DT Max. (Mm)	FP Max. (Mm)	OP (mm)	
-130	130	13	0.8	0.8	0.2	3.65	3.05±0.2

◆ G3□□-□□□S01A1



OF Max. (Gf)	Min. (Gf)	PT Max. (Mm)	OT Min. (Mm)	DT Max. (Mm)	FP Max. (Mm)	OP (mm)	
-130	220	30	3	0.8	0.5	5.7	3.4±0.5

◆ G3□□-□□□S02A1



OF Max. (Gf)	Min. (Gf)	PT Max. (Mm)	OT Min. (Mm)	DT Max. (Mm)	FP Max. (Mm)	OP (mm)	
-130	195	25	3.5	1.35	0.6	6.8	3.7±0.6

◆ G3□□-□□□S05A1



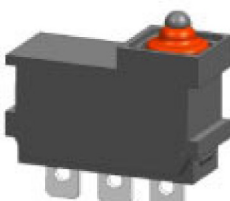
OF Max. (Gf)	Min. (Gf)	PT Max. (Mm)	OT Min. (Mm)	DT Max. (Mm)	FP Max. (Mm)	OP (mm)	
-130	180	20	3.8	1.5	0.7	9.8	7.0±0.7

◆ G3□□-□□□S00A3



OF Max. (Gf)	Min. (Gf)	PT Max. (Mm)	OT Min. (Mm)	DT Max. (Mm)	FP Max. (Mm)	OP (mm)	
-130	130	13	0.8	0.8	0.2	7.35	6.75±0.2

◆ G3□□-□□□K00A4



OF Max. (Gf)	Min. (Gf)	PT Max. (Mm)	OT Min. (Mm)	DT Max. (Mm)	FP Max. (Mm)	OP (mm)	
-130	130	13	0.8	0.8	0.2	4.1	3.45±0.2