

G6系列 / G6 Series

小型通用型微動開關

Subminiature General Type Micro Switch



■特點/Features

體形小巧，緊湊
擁有全球安規認證
長壽命，高可靠性
端子負載能力到10(2)A 1/4HP
端子操作柄齊全
廣泛應用於汽車控制、家電控制、工業控制等領域

- Small Compact Size
- Global Safety Approvals
- Long Life and High Reliability
- Variety of Actuator and Terminals
- High Rating to 10(2)A, 1/4HP
- Customized Designs
- Widely used in Auto Control, Appliance Control, Industrial Control etc.

■應用/Application

- ◆電話/Phone
- ◆空調/Air-Conditioner
- ◆計算機/Computer
- ◆增濕器/Humidifier
- ◆報警器/Alarm
- ◆計時器/Timer
- ◆混合器與切肉機/Mixer&Meat Grinder
- ◆焊接槍/Welding Machine
- ◆氖電話/Neon Phone
- ◆傳真機/Fax Machine
- ◆遊戲控制杆/Game Controller

- ◆水泵/Pump
- ◆汽油探測器/Gas Detector
- ◆卷筆刀/Pencil Sharpener
- ◆钱币分类机/Money Sorter
- ◆食品加工机/Food Processor
- ◆电切刀/Electric Knife
- ◆玩具汽车/Toy Car
- ◆榨汁机/Juice Extractor
- ◆照明设备/Lighting Equipment
- ◆电动煎锅/Electric Frying pan

■特性參數/Parameters

額定值/Rating	P1/P11/P12	ENEC:0.1A 125/250V 48VDC 5E4 UL:0.1A 125/250VAC 48VDC 觸點可選鍍金/Gold Plated Contact Optional
	05/051/052	ENEC:5A 125/250VAC UL:5A 1/8HP 125/250VAC
	10/101	ENEC:10(2)A 125/250VAC u 25T125 UL:10.1A 1/4HP 125/250VAC 注意/Note:僅適用於"250gf"以上操作力/Only with "OF" over "250gf"
	12	ENEC:12 (6) A 125/250VAC u 40T125 UL:12A 125/250VAC 注意/Note:僅適用於"350gf"操作力/Only with 350gf OF
操作頻率/Operating Frequency	电气/Electrical	10~30次/分 cycles/minute
	机械/Mechanical	120次/分 cycles/minute
初始接觸電阻/Contact Resistance(Initiative)		100m Ω Max
絕緣電阻/Insulation Resistance(at 500VDC)		100MΩ Min
抗電強度/Dielectric Strength		AC 1,000V RMS (50~60Hz)
保存溫度/Storage Temperature		-25℃ ~ +125℃
保存濕度/Storage Humidity		85% RH Max
壽命/Service Life	电气/Electrical	10,000 ~ 50,000次/cycles(取決於類型/Depend on part No.)
	机械/Mechanical	1,000,000次/cycles

G6 系列微動開關訂貨型號指引

G6 Series Micro Switch Ordering Instruction

G6	05	150	S	00	A	A	XX
开关类别 Switch Type	額定負載 Electrical Rating	操作力(最大值) 数据在不带操作柄测得 Max Operating Force at Pin Plunger	端子类型 Terminal Type	操作柄类型 Lever Type	接触形式 Circuit Code	特别设计代码 Special Designator	特别设计代码 Special Designator
G6系列 微动开关 G6 series micro switch	P1 ENEC/CQC: 0.1A 125/250VAC 48VDC 5E4 u 25T125 UL: 0.1A 125/250VAC 48VDC 触点可选镀金/Gold plated contact optional	050 50gf 0.49N (仅适用于0.1A电流 /Only for 0.1A rating)(适用于 G606 时,无自复位功能, 需带手柄操作When for G606, no automatic reset function should be operated by lever)	S 焊接端子 Solder Terminals	00 不带操作柄 柱式接触 No Lever Pin Plunger	A SPDT 单极双投	通用型 General	此处为特别设计代码,具体 请参考产品规格书确定详细 的差别 Here means a special designator letter.Refer to products specification for detailed differences.
	05 ENEC/CQC: 5A 125/250VAC 30VDC 5E4 u 25T125 UL: 5A 1/8HP 125/250VAC 30VDC	100 100gf 0.98N (仅适用于0.1A和5A电 流/Only for 0.1A and 5A rating)	K 长焊接端子 Long Solder Terminals	01 短直柄 16.7mm Short Straight Lever 0.66"	B SPST-NC 单极单投-常 闭	A 触点镀金(可选,仅适 用于G6P1系列) Gold Plated Contacts(Optional, only for G6P1)	
	06 UL/Cul: 0.5A 125/250VDC 0.5A/6A 125/250VAC 1/4HP 250VAC 5E4 u 40T125 仅适用于G606型双断型开关 Only available for G606 DPDT switches)	150 150gf 1.49N (Note:For G6P11,G60 51,G6101,Max.OF is 150gf)	P 直PCB端子 Straight PCB Terminals	02 标准直柄18.7mm Std.Straight Lever 0.74"	C SPST- NO 单极单投-常 开	D 特别用于大电流直 流负载 High DC Rating Special use	
	10 ENEC/CQC: 10(2)A 125/250VAC u 25T125 UL: 10.1A 1/4HP 125/250VAC 备注:10A的额定电流的开关的操作力 仅有250gf Note:Switch with "10"rating is only available with OF over "250gf"	200 200gf 1.96N (仅适用于G606型双断 开关,需带自复位型Only for G606 DPDT switches, have automatic reset function)	F 侧面焊接端子 Lateral Solder Terminals (仅适用于G606型双断开关 Only for G606 DPDT switches)	03 长直柄24.8mm Long Straight Lever 0.98"	D DPDT 双断点- 1NO/1NC (仅适用于 G606型双断 开关 Only available for G606 DPDT switches)	K 无自动复位 No automatic reset function (仅适用于双断型微动 开关 Only available for DPDT switches)	
	12 ENEC/CQC: 12(6)A 125/250VAC, u 40T125 UL:12A 125/250VAC 备注:12A的额定电流的开关的操作力 仅有350gf OF only with 350gf	250 250gf 2.45N (Note:Only available for G6P1,G605,G610)	R 右侧面PCB端子 Right Angled PCB Terminals (Note:仅适用于、Only available for G6P1,G605, G610,G606)	04 更长直柄35.1mm Longer Straight Lever 1.39"	E DPDT- NO 双断点-常开 (仅适用于 G606型双断 开关 Only available for G606 DPDT switches)	... 其他 Other	
	P11 ENEC/CQC: 0.1A 125/250VAC 48VDC 5E4 u 25T125 UL: 0.1A 125/250VAC 48VDC 触点可选镀金/Gold plated contact optional 弹片式 spring plate type	350 350gf 3.43N 主要适用于G612 /mainly for G612	L 左侧面PCB端子 Left Angled PCB Terminals (Note:仅适用于/Only for G6P1,G605,G610,G606)	05 模拟滚轮手柄18.0mm Std. Simulated Roller Lever 0.71			
	051 ENEC/CQC: 5A 125/250VAC 5E4 u 25T125 UL: 5A 1/8HP 125/250VAC 弹片式 spring plate type	... 特殊操作力 Special OF	D 110#快速连接端子 2.80 x 0.6 mm Quick connect Terminals 0.11" x 0.023"	06 带滚轮手柄16.6mm Roller Lever 0.65"			
	101 ENEC/CQC: 10(2)A 125/250VAC u 25T125 UL: 10.1A 1/4HP 125/250VAC 备注:10A的额定电流的开关的操作力 仅有150gf Note:Switch with "10"rating are only available with "150" OF 弹片式 spring plate type		E 110#快速连接端子 2.80 x 0.5 mm Quick connect Terminals 0.11" x 0.023"	07 小型模拟滚轮手柄17.9mm Small Simulated Roller Lever1 0.71"			
	P12 0.1A 125/250VAC 48VDC 5E4 u 25T 85 0.1A 125/250VAC 48VDC 触点可选镀金/Gold plated contact optional 电木外壳 bakelite housing 弹片式 spring plate type		... 特殊端子 Special Terminals	09 塑胶滚轮手柄 Plastic Roller Lever			
	052 ENEC/CQC: 5A 125/250VAC 5E4 u 25T 85 UL: 5A 1/8HP 125/250VAC 电木外壳 bakelite housing 弹片式 spring plate type			11 直柄 Straight lever (仅适用于G606型双断开关Only available for G606 DPDT switches)			
				12 直柄(穿孔) Straight lever(with hole) (仅适用于G606型双断开关Only available for G606 DPDT switches)			
				13 三角形手柄 Triangle lever (仅适用于G606型双断开关Only available for G606 DPDT switches)			
				14 滚轮手柄 Roller lever (仅适用于G606型双断开关Only available for G606 DPDT switches)			
				15 模拟滚轮手柄 Simulated roller lever (仅适用于G606型双断开关Only available for G606 DPDT switches)			
				16 短直柄 Short straight lever (仅适用于G606型双断开关Only available for G606 DPDT switches)			
				... 其他 Other			

G6系列 G6 Series

安裝孔位、接觸形式、端子尺寸、外形介紹 Mounting Hole, Circuit, Terminal Type, Shape

■ 安裝孔尺寸/Mounting Hole Dimensions

焊接、110#端子 Solder and 110# Terminal	直PCB端子 Straight PCB Terminal	右側面PCB端子 Right Angled PCB Terminal	左側面PCB端子 Left Angled PCB Terminal
2-ø2.4 mounting hole or M2.3 screw hole 2-ø2.4 安裝孔或 M2.3 螺絲孔 9.50	3.30 9.50 5.30 8.80 7.30 3-1.35 to 1.5dia plunger position 活塞位置	2.00 3.30 9.50 4.70 8.80 7.30 3-1.35 to 1.5dia 3-PCB 孔 plunger position 活塞位置 2-ø2.4 安裝孔或 Mounting Hole M2.3 螺絲孔 Screw hole	2.00 3.30 9.50 4.70 8.80 7.30 3-1.35 to 1.5dia 3-PCB 孔 plunger position 活塞位置 2-ø2.4 安裝孔 Mounting Hole 或 M2.3 螺絲孔 Screw hole

■ 接觸形式圖/Circuit Configuration

A# SPDT	B# SPST-NC	C# SPST-NO
COM NC NO	COM NC	COM NO

■ 接線端子尺寸/ Terminal Dimensions

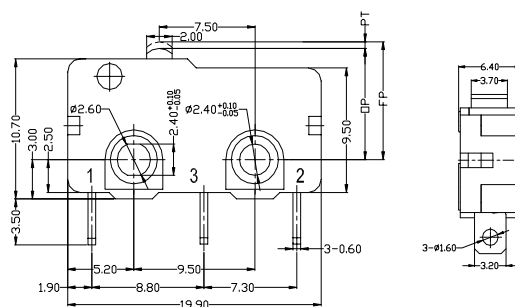
(單位/Unit:mm)

焊接端子/Solder Terminals	直PCB端子/Straight PCB Terminals
非標快接端子 (厚0.6mm)/Quick Connect Terminals (Thickness:0.6mm)	快接端子 (厚0.5mm)/Quick Connect Terminals (Thickness:0.5mm)

左側面PCB端子/Left Angled PCB Terminals	右側面PCB端子/Right Angled PCB Terminals

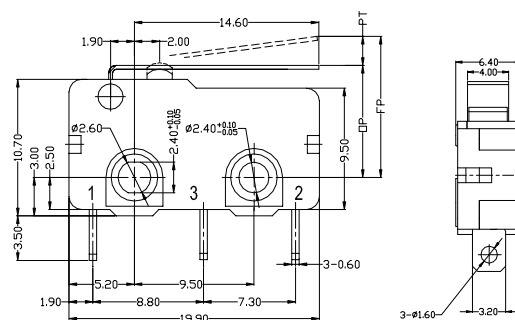
■外形尺寸和操作特性/Dimensions and Operating Characteristics

◆G6□□-□□□S00A



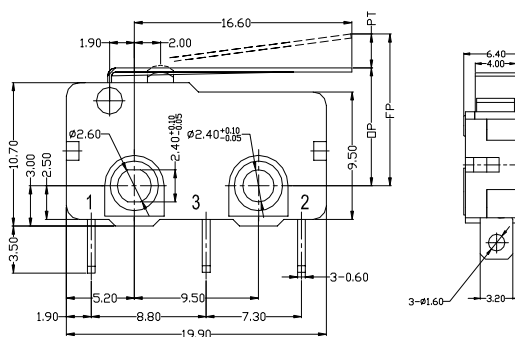
	OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-100	100	10	1.0	0.4	0.2	9.1	8.5±0.3
-150	150	35	1.0	0.4	0.2	9.1	8.5±0.3
-250	250	50	1.0	0.4	0.2	9.1	8.5±0.3
-350	350	80	1.0	0.4	0.2	9.1	8.5±0.3

◆G6□□-□□□S01A



	OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-100	40	6	3.6	0.6	1.0	11.7	8.9±1.0
-150	50	8	3.6	0.6	1.0	11.7	8.9±1.0
-250	80	15	3.6	0.6	1.0	11.7	8.9±1.0
-350	110	30	3.6	0.6	1.0	11.7	8.9±1.0

◆G6□□-□□□S02A



	OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	DT Max. (mm)	FP Max. (mm)	OP (mm)
-100	35	5	4.0	0.6	1.0	12.0	8.9±1.2
-150	45	6	4.0	0.6	1.0	12.0	8.9±1.2
-250	75	10	4.0	0.6	1.0	12.0	8.9±1.2
-350	100	20	4.0	0.6	1.0	12.0	8.9±1.2

G6系列 / Series-G606

基本型雙斷微動開關 Basic DPDT Micro Switch



■訂貨指引 Ordering Instrucion

參見第 27 頁/Refer to Page 27

■特點/Features

- ◆體型小巧，結構緊湊
- ◆長壽命，高可靠性
- ◆端子種類齊全
- ◆雙斷型轉換機構
- ◆廣泛應用於工業控制等領域

- Contact Size and Tight Configuration
- Long Life, High Reliability
- Variety Of Terminals
- DPDT Double-Break Type
- Widely used in Industry Control, etc.

■應用/Application

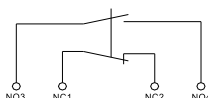
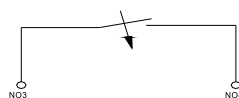
- ◆浮筒
- ◆排污泵

Float
Sewage Pump

■特性參數/Parameters:

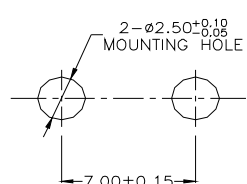
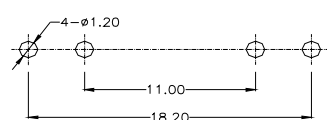
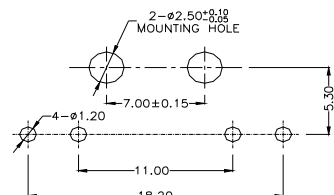
額定值Rating	06	0.5A 125/250VDC
		0.5A/6A 125/250VAC, 1/4HP 250VAC
操作頻率Operating Frequency	電器/Electrical	10 ~ 30 次/分 cycles/minute
	機械/Mechanical	120 次/分 cycles/minute
觸點電阻（初始值）/ Contact Resistance(Initiative)		最大30 ~ 100mΩ（取決於類型）/30 ~ 100mΩ Max （ Depends on P/Ns ）
絕緣電阻/Insulation Resistance		在500VDC 時，100MΩ Min./100MΩ Min(at 500VDC)
抗電強度/Dielectric Strength		AC 750V RMS（ 50-60Hz ）
保存溫度/Storage Temperature		-40° C ~ +125° C
保存濕度/Storage Humidity		85%RH Max
壽命/Service Life	電器/Electrical	50,000 ~ 100,000次/Cycles（取決於類型/Depends on P/Ns）
	機械/Mechanical	500,000次
單重/Unit Net Weight		約1.96g（焊接型端子無手柄類型）Approx.110g (solder terminals, without lever)

■接觸型式Circuit Configuration

DPDT	DPDT-NO
	

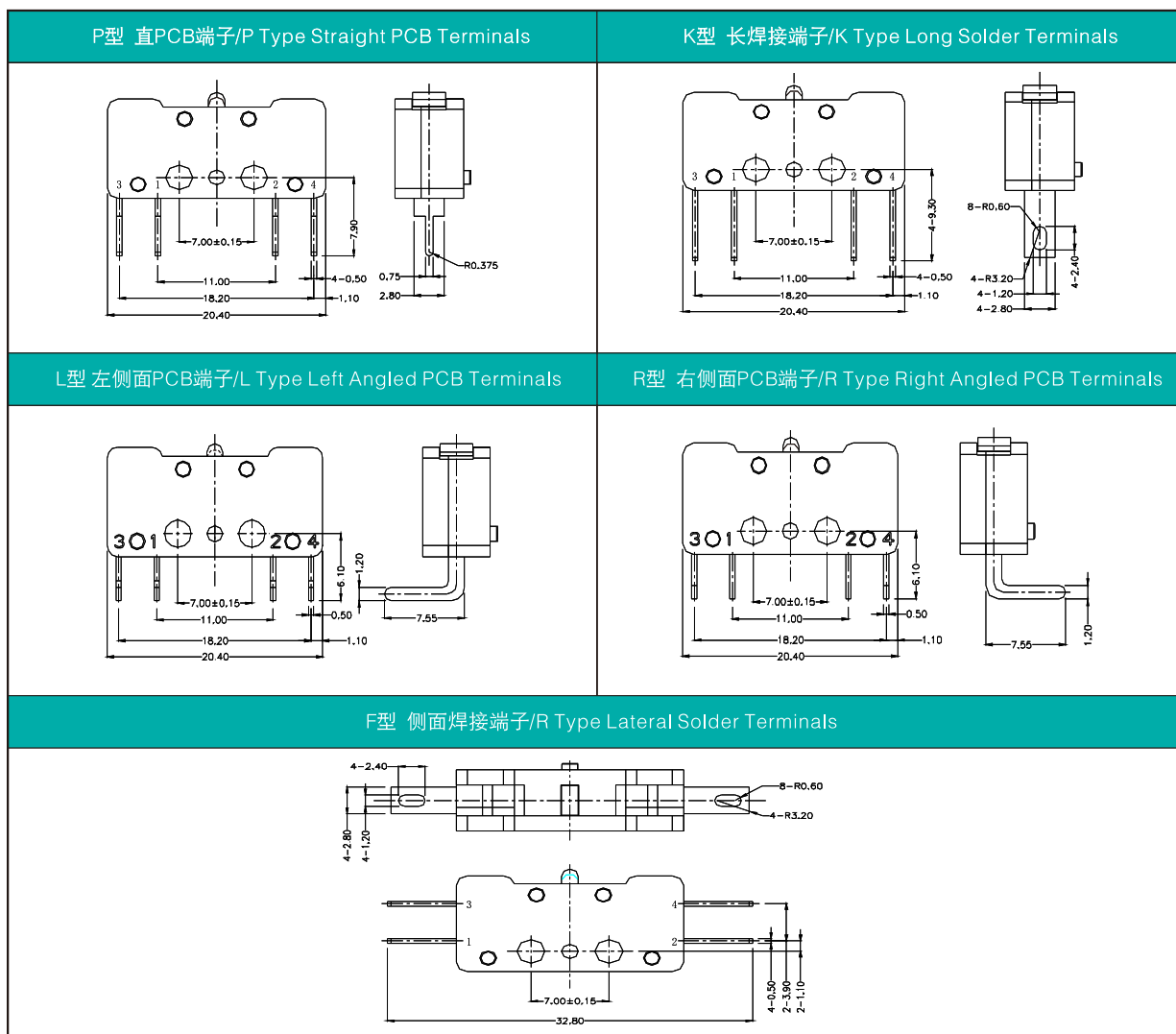
■安裝孔尺寸Mounting Hole Dimensions

(單位/Unit:mm)

安裝孔尺寸Mounting Hole Dimensions	底面PCB端子安裝孔尺寸 Mounting Hole Dimension of PCB at bottom	側面PCB端子安裝孔尺寸 Mounting Hole Dimension of Angled PCB terminal
		

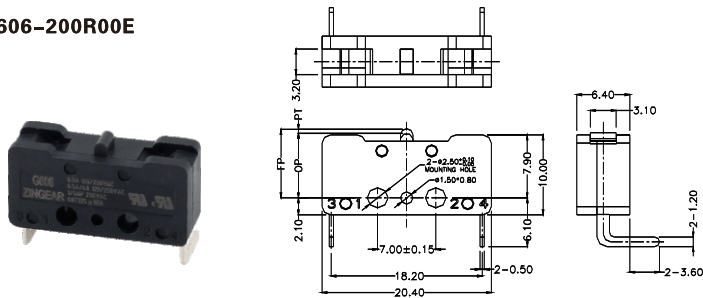
■端子類型 Terminal Type

◆端子厚度為0.5mm/Thickness of Terminals : 0.5mm



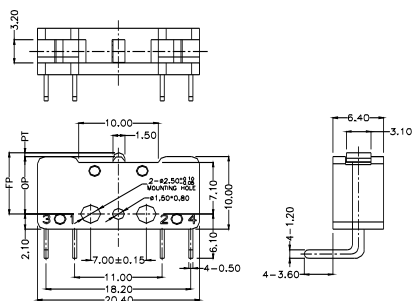
■外形尺寸和操作特性/Dimensions and Operating Characteristics

◆G606-200R00E



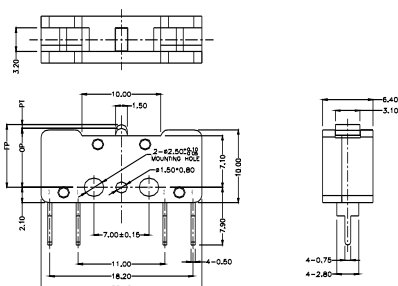
OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP Max. (mm)
200	40	1.5	0.25	0.45	9.5	7.7 ± 0.3

◆ G606-200L00D



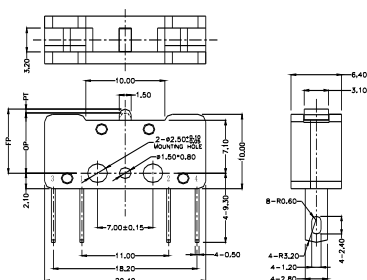
OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
200	40	1.5	0.25	0.45	9.5	7.7 ± 0.3

◆ G606-200P00D



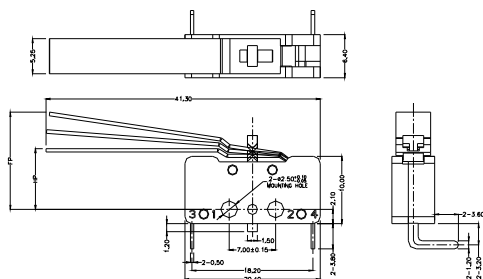
OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
200	40	1.5	0.25	0.45	9.5	7.7 ± 0.3

◆ G606-200K00D



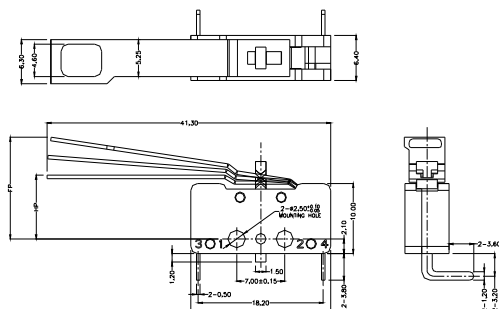
OF Max. (gf)	RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
200	40	1.5	0.25	0.45	9.5	7.7 ± 0.3

◆ G606-200R11EK



正向操作力 Positive direction operating force	12gf MAX
反向操作力 Negative direction operating force	12gf MAX
正向行程 Positive direction travel	8.0mm MAX
反向行程 Negative direction travel	8.6mm MAX
正向自由位置 Positive direction free position	19.0mm MAX
反向自由位置 Negative direction free position	9.5mm MAX
正向動作位置 Positive direction operating position	12.05 ± 1.0mm
反向動作位置 Negative direction operating position	15.5 ± 1.0mm

◆ G606-200R12EK



正向操作力 Positive direction operating force	12gf MAX
反向操作力 Negative direction operating force	12gf MAX
正向行程 Positive direction travel	8.0mm MAX
反向行程 Negative direction travel	8.6mm MAX
正向自由位置 Positive direction free position	19.0mm MAX
反向自由位置 Negative direction free position	9.5mm MAX
正向動作位置 Positive direction operating position	12.05 ± 1.0mm
反向動作位置 Negative direction operating position	15.5 ± 1.0mm