G12 系列/G12 Series

大型微动开关
large basic Limit Switch

■ 特点/Features

- ◆外壳采用耐高温的酚醛塑料 -Housing are Made of High Temperature Bake Lite
- ◆非常灵敏的差动行程 -Precise Operation Repeatability
- ◆精准的操作重复性 -Precise Operation Repeatability
- ◆超长的机械寿命 -Long Mechanical Life
- ◆通过ENEC/UL/CUL/CQC认证 -ENEC/UL/CUL/CQC Approved

■ 应用/Application

- ◆机床设备 -Machine Tools
- ◆电梯 -Elevators
- ◆汽车生产线 -Auto Production Line
- ◆民用/产业机械领域 -Civilian, Industrial Machinery Field
- ◆ 自动化领域内的仁何自动化应用 -Any Automation Applications in Automative Field

■ 特性参数/Parameters:

额定值/Rating	16A	ENEC/CQC 16A 125/250 or 480VAC 1/8HP 125VAC 1/4HP 250VAC 0.5A 125VDC 0.25A 250VDC
		UL/cUL 16A 125/250VAC 5E4 μ 40T85
	22A	ENEC/CQC 22A 125/250 or 480VAC 1/4HP 125VAC 1/2HP 250VAC 0.5A 125VDC 0.25A 250VDC
		UL/cUL 22A 125/250VAC 5E4 μ 40T85
	26A	ENEC/CQC 26A 125/250 or 480VAC 1/4HP 125VAC 1/2HP 250VAC 0.5A 125VDC 0.25A 250VDC
		UL/cUL 26A 125/250VAC 5E4 μ 40T85
操作频率 Operating Frequency	电气/Electrical	10~30 次/分 cycles/min
	机械/Mechanical	240次/分 cycles/min
触点电阻(初始值) Contact Resistance(Initial Value)		50mΩ Max
绝缘电阻/Insulation Resistance(at500 VDC)		100MΩ Min(at500VDC)
抗电强度/Dielectric Strength	端子间/between terminals	1500VAC 50/60Hz 1min
	端子与外壳/between terminals and housing	2500VAC 50/60Hz 1min
保存温度/Storage Temperature		-40℃~+85℃
保存湿度/Storage Humidity		85%RH Max
寿命/Service Life	电气/Electrical	50,000次cyles or 100,000次 cyles 取决于具体型号/Depends on part No.
	机械/Mechanical	10,000,000次 cycles
单重/Unit Net Weight		约60g(防滴型面板安装式) Approx60g(Drip proof panel mounting type)

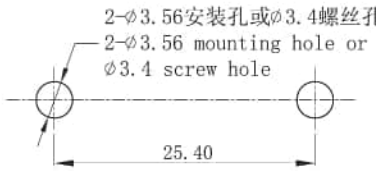
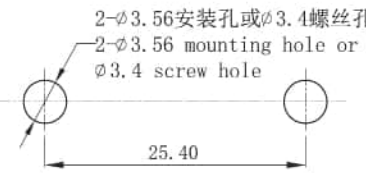
G12系列微动开关订货型号指引

G12Series Micro Switch Ordering Instruction

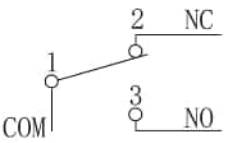
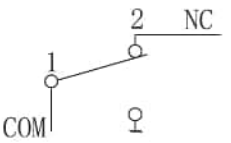
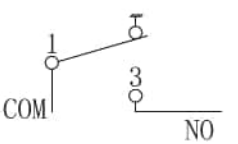
G12	16	-	1	R1	A	A	-	K	X
开关类别 Switch Type	额定电流 Electrical Life		保护类型 Protection Type	操作类型 Level Type	接触形式 Circuit Code	端子类型 Terminal Type		特别设计代码 Special designator	特别设计代码 Special designator
G12 系列微动开关 G12 Series Micro Switch	16 UL/CUL: 16A 125/250 or 480VAC 1/8HP 125VAC 1/4HP 250VAC 0.5A 125VDC 0.25A 250VDC ENEC/CQC: 16A 250VAC 5E4μ 40T85		1 一般型 General Type	R1 柱塞式 Pin Plunger	A SPDT 单极双投	A 螺纹端子 Screw Terminals		φ4.2安装孔 Mounting Hole	此处为特别设计代码，具体请参考产品规格来确定详细的差别。 Here means special designator letter, refer to product specification for details.
	22 UL/CUL: 22A 125/250 or 480VAC 1/4HP 125VAC 1/2HP 250VAC 0.5A 125VDC 0.25A 250VDC ENEC: 22A 250VAC 5E4μ 40T85		2 防滴型 IP62 Drip Proof Type	RD1 弹簧柱塞式 Spring Pin Plunger	B SPST-NC 单极单投-常闭	B 焊接端子 Solder Terminals		K φ3.56安装孔 Mounting Hole	
	26 UL/CUL: 26A 125/250 or 480VAC 1/2HP 125VAC 1HP 250VAC 0.5A 125VDC 0.25A 250VDC ENEC: 26A 250VAC 5E4μ 40T85		3 防滴型 Ip63 (含端子部分) Drip Proof Type (Terminal Included)	RQ1 面板安装柱塞式 Panel Mounting Plunger	C SPST-NO 单极单投-常开	... 其他 Other		D 特别用于大电流直流 Special for High DC Rating	
	... 其他 Other			RQ2 面板安装滚轮柱塞式 Panel Mounting roller Plunger				... 其他 Other	
				RQ3 面板安装正交滚轮柱塞式 Panel Mounting Cross Roller Plunger					
				RW1 摆杆式 Swing Lever					
				RW2 短摆杆式 Short Swing Lever					
				RW3 滚轮摆杆式 Roller Swing Lever					
				RW4 滚轮短摆杆式 Short Swing Lever					
				RL1 簧片型手柄 Spring Straight Lever					
				RL2 滚轮簧片型手柄 Spring Roller Lever					
				... 其他 Other					

■安装孔尺寸 Mounting Hole Dimensions

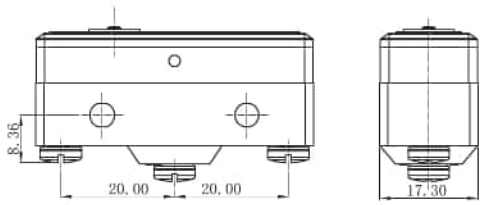
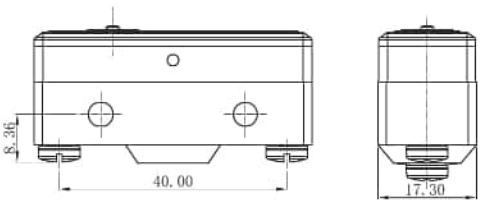
(单位Unit:mm)

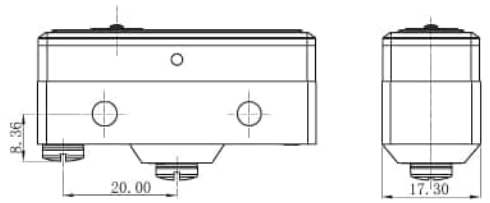
φ3.56安装孔或φ3.4螺丝孔 φ3.56 mounting hole or φ3.4 screw hole	φ4.2安装孔或φ4.0螺丝孔 φ4.2 mounting hole or φ4.0 screw hole
	

■接触形式 Circuit Configuration

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

■接线端子尺寸/Terminal Type and Dimensions

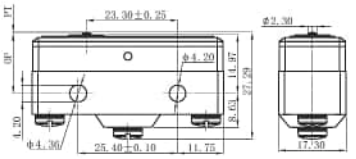
A SPDT 单极双投	B SPST-NC 单极双投-常闭
	

C SPST-NO 单极双投-常开


螺丝扭紧力矩为0.78~1.18N.M
Tighten the screw with torque of 0.78 to 1.18N.M

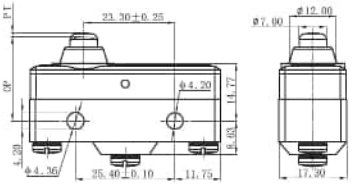
■外形尺寸和操作特征 Dimensions and Operating Characteristics

◆G12□□-1R1□□-□



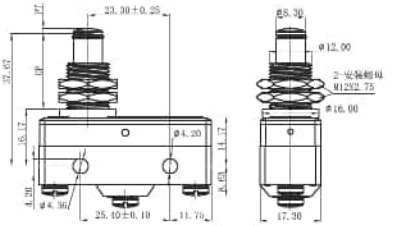
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	0.13	0.1	16.7	15.9±0.4
G1222 G1226	620				0.2		

◆G12□□-1RD1□□-□



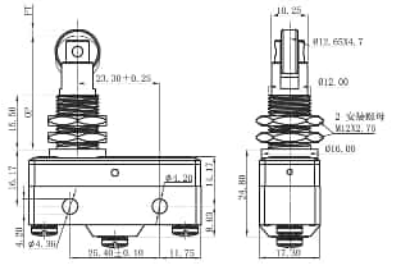
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	1.5	0.1	22.5	21.5±0.5
G1222 G1226	620				0.2		

◆G12□□-1RQ1□□-□



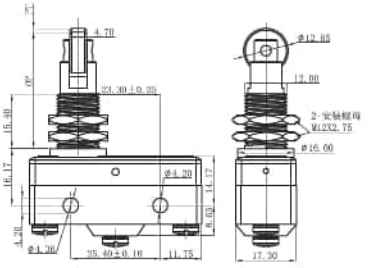
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	5.5	0.1	23	21.8±0.8
G1222 G1226	620				0.2		

◆G12□□-1RQ2□□-□



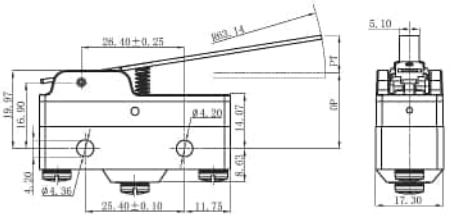
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.1	35	33.4±1.2
G1222 G1226	620				0.2		

◆G12□□-1RQ3□□-□



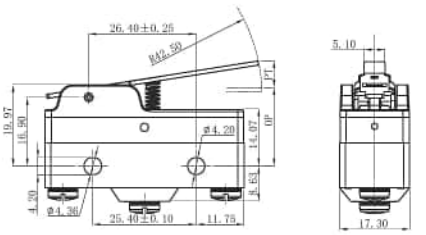
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.1	35	33.4±1.2
G1222 G1226	620				0.2		

◆G12□□-1RW1□□-□



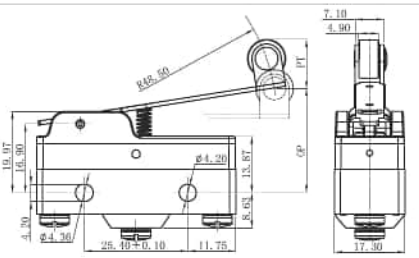
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	70	14	10.0	5.6	2	28.2	19.0±2.0
G1222 G1226	120						

◆G12□□-1RW2□□-□



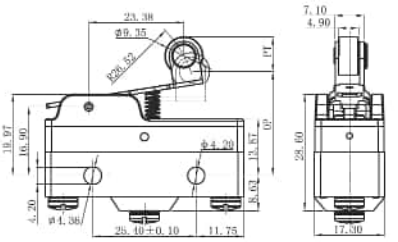
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	105	20	6.6	3.7	0.85	24.5	19.0±1.5
G1222	180						
G1226							

◆G12□□-1RW3□□-□



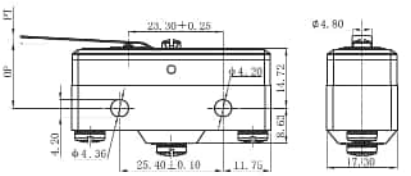
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	100	20	7.1	4	1.02	36.5	30.2±2.0
G1222	170						
G1226							

◆G12□□-1RW4□□-□



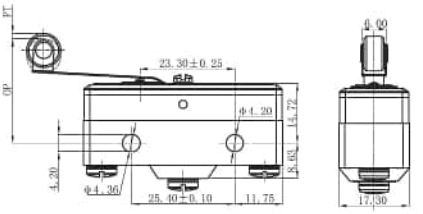
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	160	40	2.7	2.4	0.8	32.5	30.2±1.0
G1222	270						
G1226							

◆G12□□-1RL1□□-□



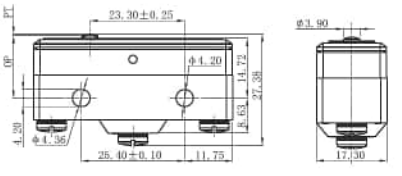
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	140	14	4.0	1.6	1.3	20.6	17.4±0.8
G1222	230						
G1226							

◆G12□□-1RL2□□-□



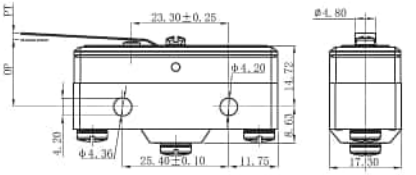
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	150	14	4.0	1.6	1.3	31.8	28.6±0.8
G1222	250						
G1226							

◆G12□□-2R1□□-□



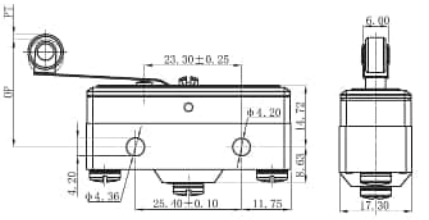
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	430	115	0.7	0.13	0.06	16.5	15.9±0.4

◆G12□□-2RL1□□-□



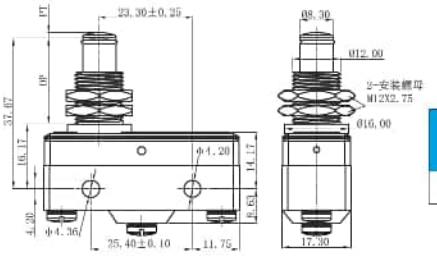
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	140	14	4.0	1.6	1.3	20.6	17.4±0.8

◆G12□□-2RL2□□-□



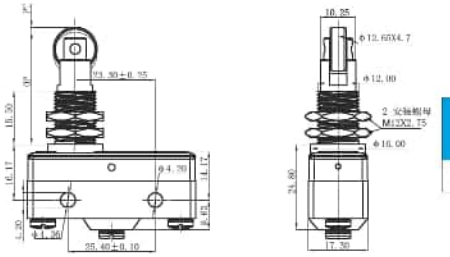
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	140	14	4.0	1.6	1.3	31.8	28.6±0.8

◆G12□□-2RQ1□□-□



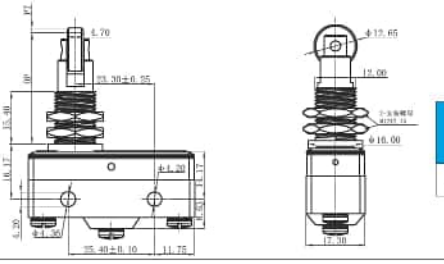
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	5.5	0.05	23	21.8±0.8

◆G12□□-2RQ2□□-□



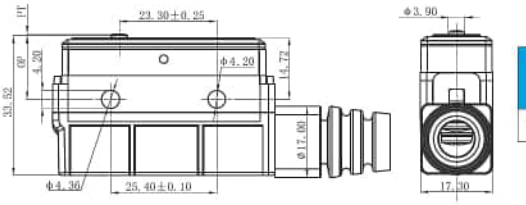
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.05	35	33.4±1.2

◆G12□□-2RQ3□□-□



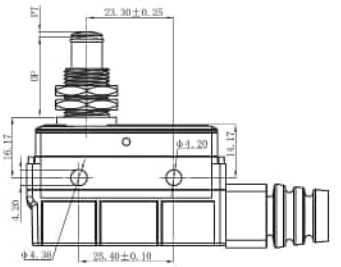
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.05	35	33.4±1.2

◆G12□□-3R1□□-□



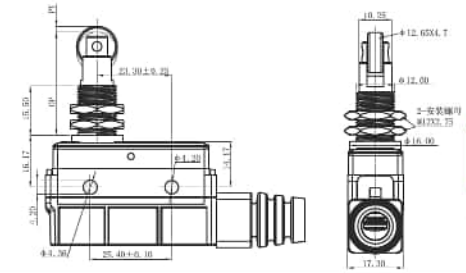
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	0.13	0.05	16.5	15.9±0.4

◆G12□□-3RQ1□□-□



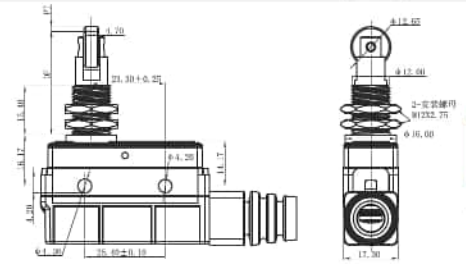
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	5.5	0.05	23	21.8±0.8

◆G12□□-3RQ2□□-□



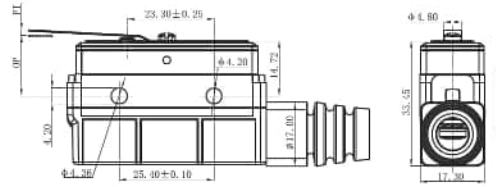
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.05	35	33.4±1.2

◆G12□□-3RQ3□□-□



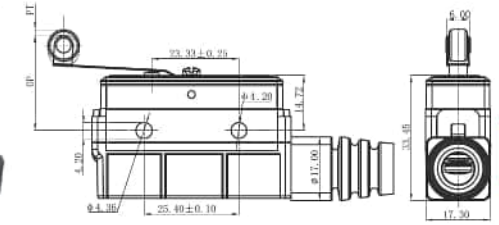
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.05	35	33.4±1.2

◆G12□□-3RL1□□-□



OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	140	14	4.0	1.6	1.3	20.6	17.4±0.8

◆G12□□-3RL2□□-□



OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	150	14	4.0	1.6	1.3	31.8	28.6±0.8