G12系列 / G12 Series

大型微动开关

Large Basic Limit Switch

■ 特点/Featsures

◆外壳采用耐高温的酚醛塑料 –Housing are Made of High Temperature Bakelite
◆非常灵敏的差动行程 –High Sensitive Differential Travel
◆精确的操作重复性 –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
◆自动化领域内的任何自动化应用 –Any Automation Applications in Automative Field

■特性参数/Parameters

额定值/Rating	16 A	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 μ40T85
	22 A	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 μ40T85
	26 A	ENEC/CQC 26A 125/250 or 480VAC 1/2HP 125VAC 1HP 250VAC 0.5A 125VDC 0.25A 250VDC
		UL/cUL 26A 250VAC 5E4 μ40T85
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		100MΩ Min(at 500VDC)
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
环境温度/Storage Temperature		–40° C～+85° C
保存湿度/Storage Humidity		85%RH Max
寿命/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 cyles
单重/Unit Net Weight		约60g（防滴型面板安装式） Approx 60g(Drip proof panel mounting type)

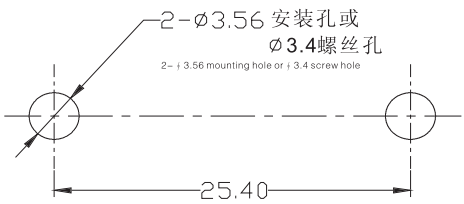
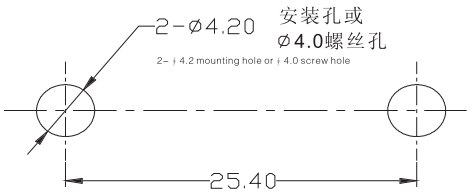
G12系列微动开关订货型号指引
G12 Series Micro Switch Ordering Instruction

G12	16	- 1	R1	A	A	- X	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 5E4 u 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 5E4 u 40T85	2 防滴型 IP62 Drip Proof Type	RD1 弹簧柱塞式 Spring Pin Plunge	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 5E4 u 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	... 其它 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			... 其它 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				

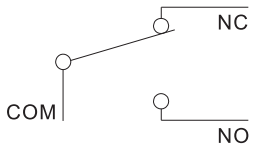
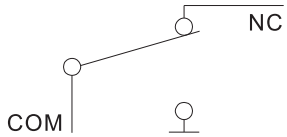
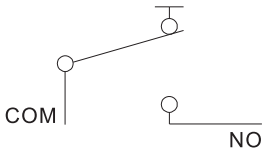
G12系列 G12 Series | 安装孔位、接触形式、端子尺寸、外形介绍 Mounting Hole, Circuit, Terminal Type, Shape

■安装孔尺寸Mounting Hole Dimensions

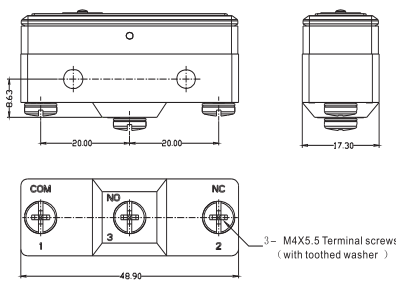
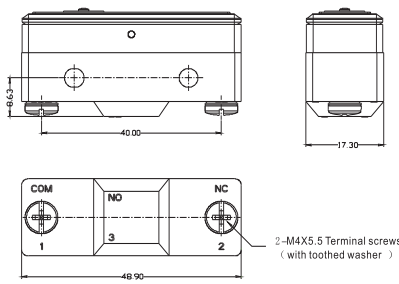
(单位Unit:mm)

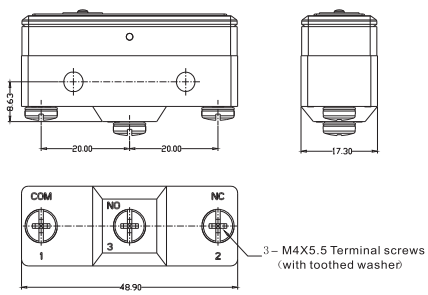
∮3.56 安装孔或 ∮3.4螺丝孔 ∮3.56 mounting hole or ∮3.4 screw hole	∮4.2 安装孔或 ∮4.0螺丝孔 ∮4.2 mounting hole or ∮4.0 screw hole
	

■接触型式 Circuit Configuration

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

■接线端子尺寸/Terminal Type and Dimensions

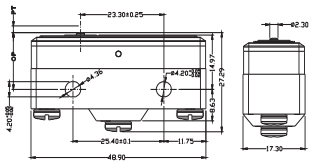
A SPDT 单极双投	B SPST-NC 单极单投-常闭
	

C SPST-NO 单极单投-常开


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

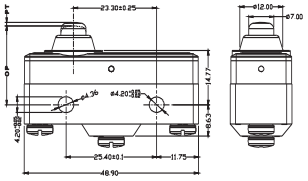
■外形尺寸和操作特征Dimensions and Operating Characteristics

◆G12□□-1R1□□-□



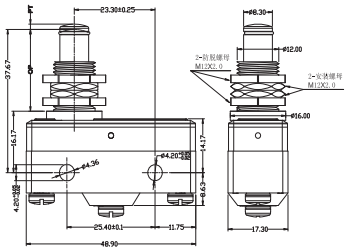
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	0.13	0.1	16.7	15.9 ± 0.4
G1222 G1226	620				0.2		

◆G12□□-1RD1□□-□



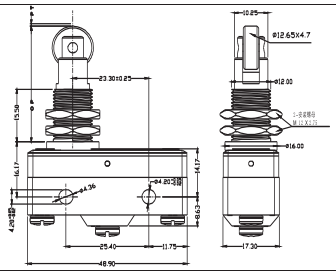
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	1.5	0.1	22.5	21.5 ± 0.5
G1222 G1226	620				0.2		

◆G12□□-1RQ1□□-□



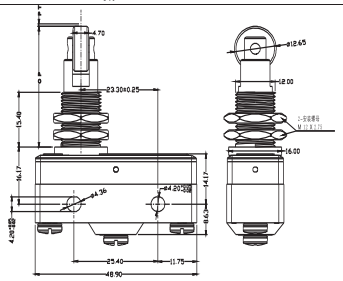
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	5.5	0.1	23	21.8 ± 0.8
G1222 G1226	620				0.2		

◆G12□□-1RQ2□□-□



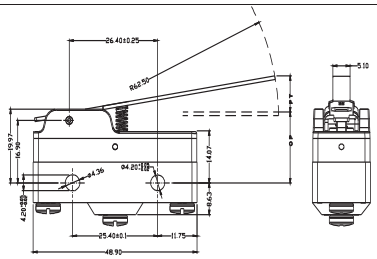
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.1	35	33.4 ± 1.2
G1222 G1226	620				0.2		

◆G12□□-1RQ3□□-□



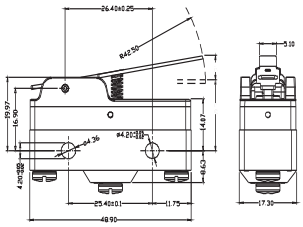
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.1	35	33.4 ± 1.2
G1222 G1226	620				0.2		

◆G12□□-1RW1□□-□



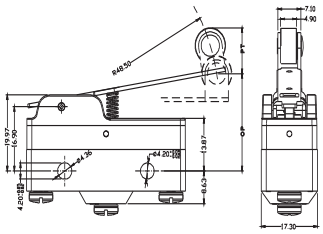
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	70	14	10.0	5.6	2	28.2	19.0 ± 2.0
G1222 G1226	120						

◆G12□□-1RW2□□-□



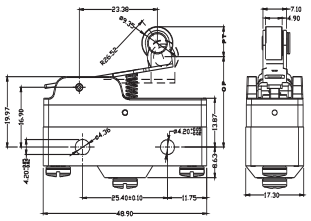
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	105	20	6.6	3.7	0.85	24.5	19.0 ± 1.5
G1222 G1226	180						

◆G12□□-1RW3□□-□



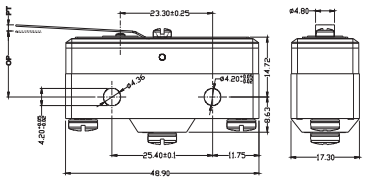
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	100	20	7.1	4	1.02	36.5	30.2 ±2.0
G1222 G1226	170						

◆G12□□-1RW4□□-□



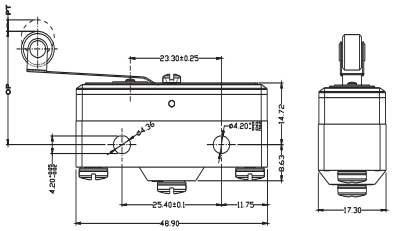
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	160	40	2.7	2.4	0.8	32.5	30.2 ± 1
G1222 G1226	270						

◆G12□□-1RL1□□-□



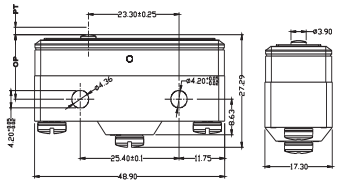
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	140	14	4.0	1.6	1.3	20.6	17.4 ± 0.8
G1222 G1226	230						

◆G12□□-1RL2□□-□



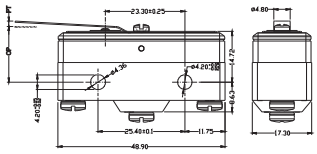
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	150	14	4.0	1.6	1.3	31.8	28.6 ± 0.8
G1222 G1226	250						

◆G12□□-2R1□□-□



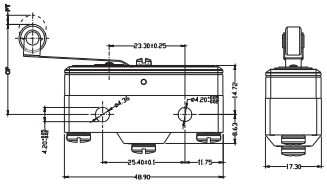
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	430	115	0.7	0.13	0.06	16.5	15.9 ± 0.4

◆G12□□-2RL1□□-□



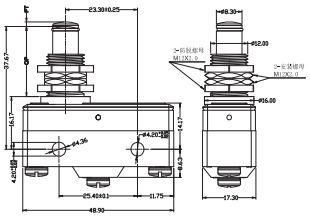
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	140	14	4.0	1.6	1.3	20.6	17.4 ± 0.8

◆G12□□-2RL2□□-□



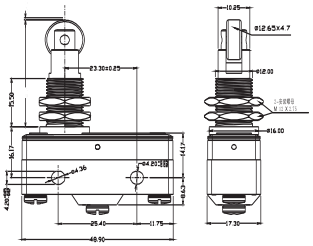
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	140	14	4.0	1.6	1.3	31.8	28.6 ± 0.8

◆G12□□-2RQ1□□-□



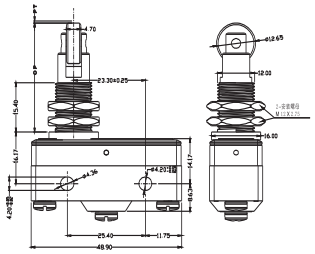
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	5.5	0.05	23	21.8 ± 0.8

◆G12□□-2RQ2□□-□



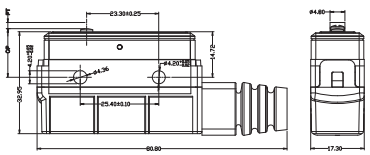
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.05	35	33.4 ± 1.2

◆G12□□-2RQ3□□-□



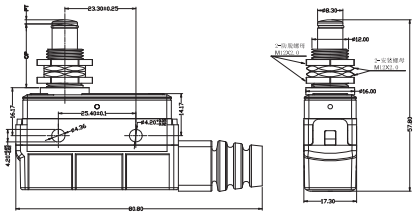
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.05	35	33.4 ± 1.2

◆G12□□-3R1□□-□



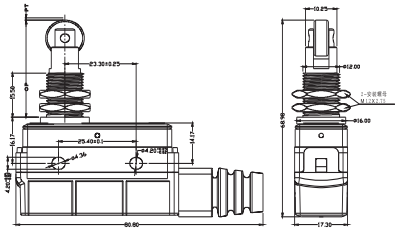
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	0.13	0.05	16.5	15.9 ± 0.4

◆G12□□-3RQ1□□-□



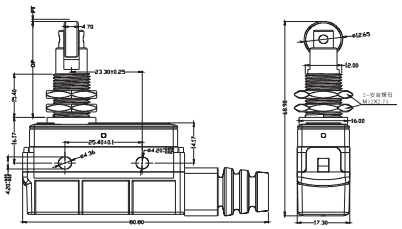
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	5.5	0.05	23	21.8 ± 0.8

◆G12□□-3RQ2□□-□



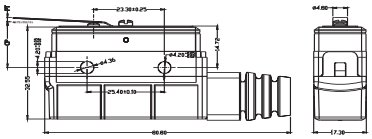
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.05	35	33.4 ± 1.2

◆G12□□-3RQ3□□-□



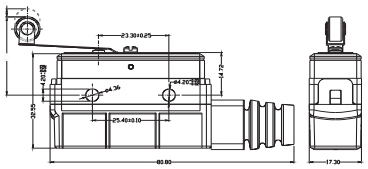
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.05	35	33.4 ± 1.2

◆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