G12 Series

large basic Limit Switch

Features

-Housing are Made of High Temperature Bake Lite
-Precise Operation Repeatability
-Long Mechanical Life
-ENEC/UL/CUL/CQC Approved

Application

-Machine Tools
-Elevators
-Auto Production Line
-Civilian,Industrial Machinery Field
-Any Automation Applications in Automative Field

Parameters:

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
Operating Frequency	Electrical	10～30 cycles/min
	Mechanical	240 cycles/min
Contact Resistance(Initial Value)		50mΩ Max
Insulation Resistance(at500 VDC)		100MΩ Min(at500VDC)
Dielectric Strength	between terminals	1500VAC 50/60Hz 1min
	between terminals and housing	2500VAC 50/60Hz 1min
Storage Temperature		-40℃～+85℃
Storage Humidity		85%RH Max
Service Life	Electrical	50,000 cyles or 100,000 cyles Depends on part No.
	Mechanical	10,000,000 cycles
Unit Net Weight		Approx60g(Drip proof panel mounting type)

G12Series Micro Switch Ordering Instruction

G12	16	-	1	R1	A	A	-	K	X
Switch Type	Electrical Life		Protection Type	Level Type	Circuit Code	Terminal Type		Special designator	Special designator

Switch Type

G12 Series Micro Switch	

Electrical Life

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
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
26	UL/CUL: 26A 125/250 or 480VAC 1/2HP 125VAC 1HP 250VAC 0.5A 125VDC 0.25A 250VDC ENEC: 26A 250VAC 5E4μ 40T85
…	Other

Protection Type

1	General Type
2	Ip62 Drip Proof Type
3	Ip63 Drip Proof Type (Terminal Included)

Level Type

R1	Pin Plunger
RD1	Spring Pin Plunger
RQ1	Panel Mounting Plunger
RQ2	Panel Mounting roller Plunger
RQ3	Panel Mounting Cross Roller Plunger
RW1	Swing Lever
RW2	Short Swing Lever
RW3	Roller Swing Lever
RW4	Short Swing Lever
RL1	Spring Straight Lever
RL2	Spring Roller Lever
…	Other

Circuit Code

A	SPDT
B	SPST-NC
C	SPST-NO

Terminal Type

A	Screw Terminals
B	Solder Terminals
…	Other

Special designator

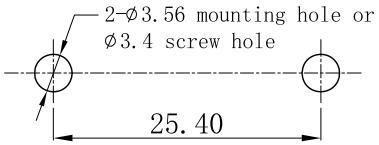
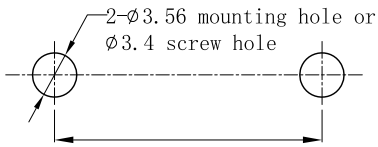
	Mounting Hole
K	Mounting Hole
D	Special for High DC Rating
…	Other

Special designator

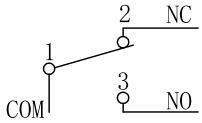
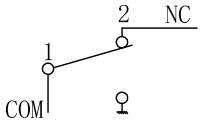
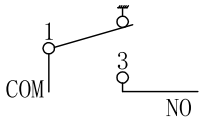
Here means special designator letter, refer to product specification for details.

Mounting Hole Dimensions

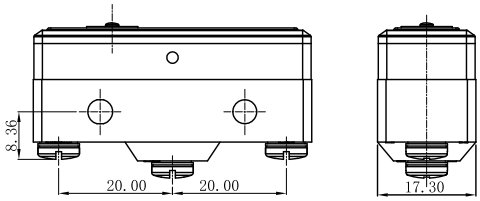
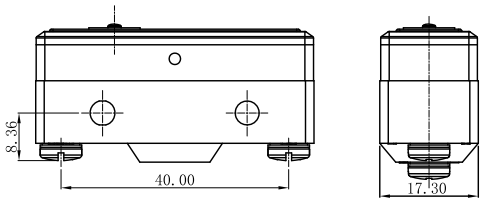
(单位Unit:mm)

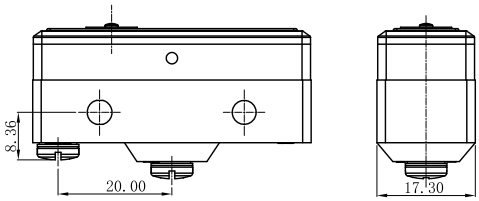
Φ3.56 mounting hole or Φ3.4 screw hole	Φ4.2 mounting hole or Φ4.0 screw hole
	

Circuit Configuration

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

Terminal Type and Dimensions

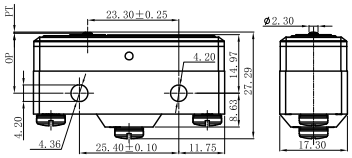
A SPDT	B SPST-NC
	

C SPST-NO


Tighten the screw with torque of 0.78 to 1.18N.M

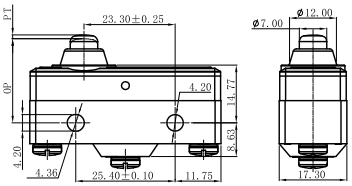
Dimensions and Operating Characteristics

◆G12□□-1R1□□-□



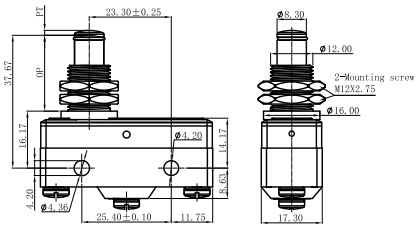
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	0.13	0.1	16.7	15.9±0.4
G1222	620				0.2		
G1226							

◆G12□□-1RD1□□-□



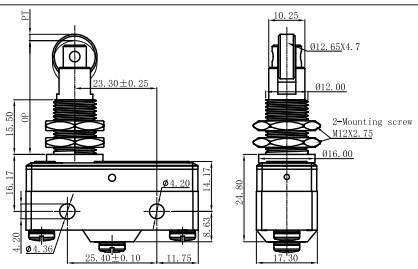
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	1.5	0.1	22.5	21.5±0.5
G1222	620				0.2		
G1226							

◆G12□□-1RQ1□□-□



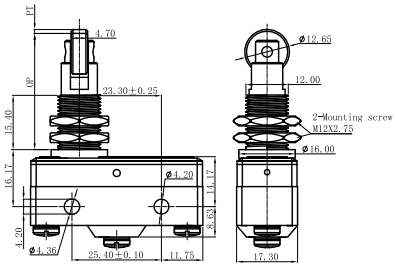
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	5.5	0.1	23	21.8±0.8
G1222	620				0.2		
G1226							

◆G12□□-1RQ2□□-□



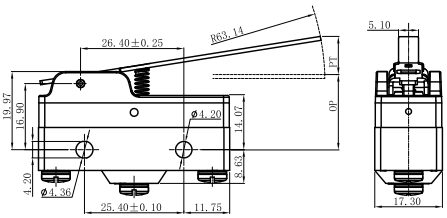
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.1	35	33.4±1.2
G1222	620				0.2		
G1226							

◆G12□□-1RQ3□□-□



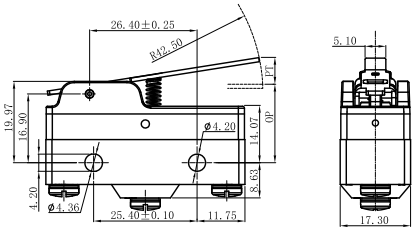
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.1	35	33.4±1.2
G1222	620				0.2		
G1226							

◆G12□□-1RW1□□-□



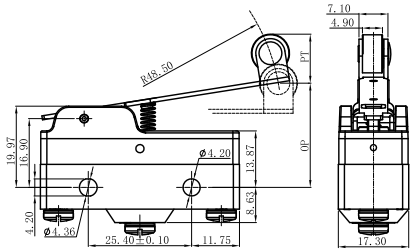
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	70	14	10.0	5.6	2	28.2	19.0±2.0
G1222	120						
G1226							

◆G12□□-1RW2□□-□



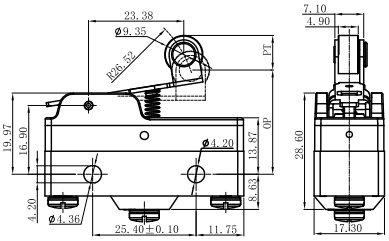
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	105	20	6.6	3.7	0.85	24.5	19.0±1.5
G1222 G1226	180						

◆G12□□-1RW3□□-□



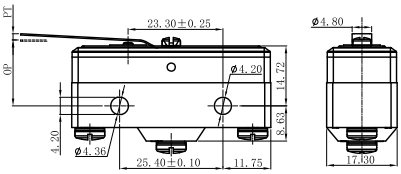
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	100	20	7.1	4	1.02	36.5	30.2±2.0
G1222 G1226	170						

◆G12□□-1RW4□□-□



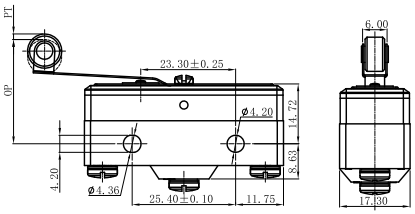
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	160	40	2.7	2.4	0.8	32.5	30.2±1.0
G1222 G1226	270						

◆G12□□-1RL1□□-□



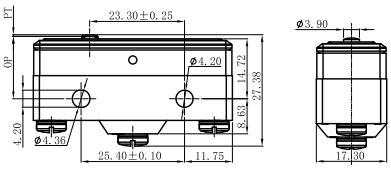
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	140	14	4.0	1.6	1.3	20.6	17.4±0.8
G1222 G1226	230						

◆G12□□-1RL2□□-□



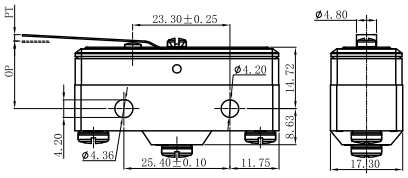
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	150	14	4.0	1.6	1.3	31.8	28.6±0.8
G1222 G1226	250						

◆G12□□-2R1□□-□



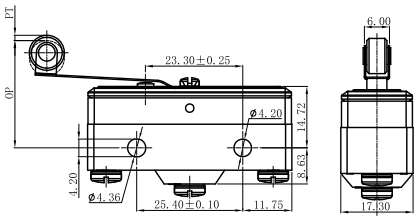
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	430	115	0.7	0.13	0.06	16.5	15.9±0.4

◆G12□□-2RL1□□-□



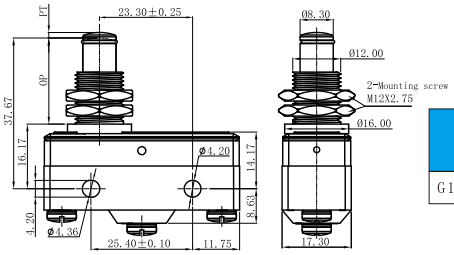
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	140	14	4.0	1.6	1.3	20.6	17.4±0.8

◆G12□□-2RL2□□-□



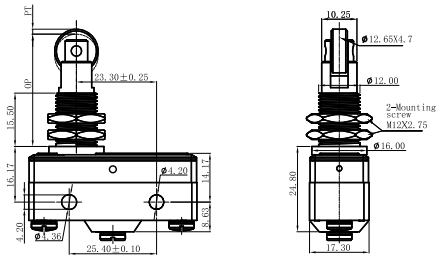
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	140	14	4.0	1.6	1.3	31.8	28.6±0.8

◆G12□□-2RQ1□□-□



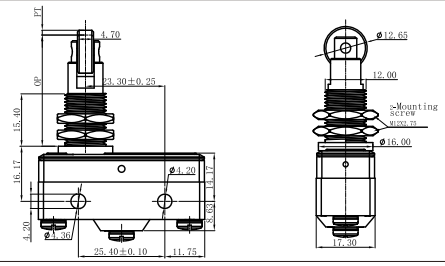
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	5.5	0.05	23	21.8±0.8

◆G12□□-2RQ2□□-□



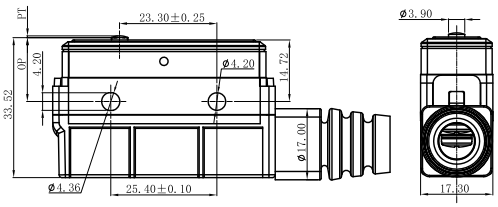
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.05	35	33.4±1.2

◆G12□□-2RQ3□□-□



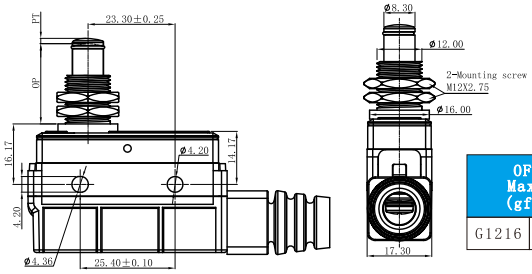
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.05	35	33.4±1.2

◆G12□□-3R1□□-□



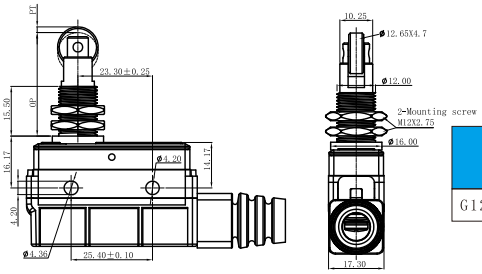
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	0.13	0.05	16.5	15.9±0.4

◆G12□□-3RQ1□□-□



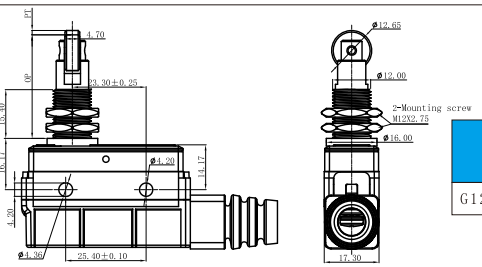
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	5.5	0.05	23	21.8±0.8

◆G12□□-3RQ2□□-□



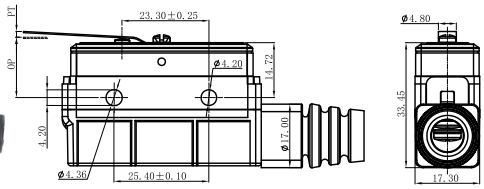
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.05	35	33.4±1.2

◆G12□□-3RQ3□□-□



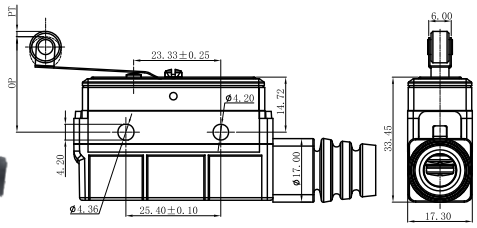
OF Max. (gf)		RF Min. (gf)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	OP (mm)
G1216	370	115	0.7	3.58	0.05	35	33.4±1.2

◆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