

Switch

Micro Switch Series

MISW-1002 (=KW3-0Z-A111012-L7)

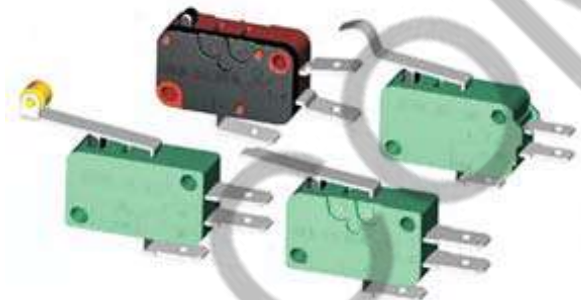
MISW (=KW3-0Z) Micro Switch Series

Features

Small contact clearance, high sensitivity
Snap action, high precision and high repeat accuracy
Flexible operating travel, wide range of operating force
Wide variety of terminal types
Wide variety of actuator forms
Adopt flame-retarded and fiber enhanced thermoplastics
Long life cycles, high reliability
Various approvals

Application

Widely applied in home appliances, medical devices, office facility, instrument and apparatus, electric motion tools, packing machinery, auto electronics etc.
Examples: vending machines, gaming machines, coffee machines, dishwashers, dryers, washing machines, microwave ovens, Central water heating, vacuum cleaners, water pump, projecting apparatus, industrial automations etc.



Specifications

Items		Value
Operating speed		0.1mm~1m/S
Operating Frequency		Mechanical 60cycles/min;
		Electrical 25cycles/min
Insulation resistance		$\geq 100M\Omega$ (DC500V)
Contact resistance		$\leq 30m\Omega$ (Initial value)
Test voltage	Between terminals of same polarity	AC1500V 50/60HZ
	Between current-carrying metal parts and ground (case)	AC3750V 50/60HZ
Vibration resistance		10~55 HZ 1.5mm Double amplitude
Shock resistance		Destruction: OF>0.5N: 1000m/S ² (approx. 100G) Max OF≤0.5N: 400m/S ² (approx. 40G) Max
		Malfunction: OF>0.5N: 200m/S ² (approx. 20G) Max OF≤0.5N: 100m/S ² (approx. 10G) Max
Life expectancy		Mechanical ≥ 2000000 cycles
		Electrical ≥ 50000 cycles
Degree of protection against electric		Class I /Class II
PTI		175
Approvals		UL CUL VDE TUV CE DEMKO CQC

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ORDER INFORMATION

KW3-OZ- X X X X X X X - X

Micro Switch Type

Outline characteristic

A:NO.1 Form
B:NO.2 Form
C:NO.3 Form
D:Combined Micro switch

Circuit

1:SPDT SP change-over
2:SPDT-NO
3:SPDT-NC

Termination

1: 250 Quick connect
Terminal 6.3x0.8mm
2: 187 Quick connect
Terminal 4.8x0.8mm
3: 187 Quick connect
Terminal 4.8x0.5mm
4: Solder Terminal
5: PCB terminal
0: Non-standard terminal

Plunger category

1:2 mm
2:2.5 mm
3:3 mm
4:3.2 mm
5: Round Plunger
0: Special Plunger

Actuator forms (Levers)

Refer to lever list

L1
L2
L3
.....

Degree of temperature

1: T55
2: T85
3: T120

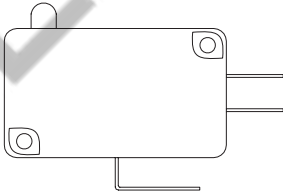
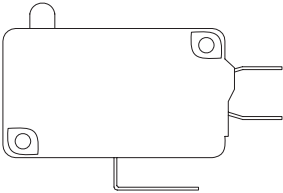
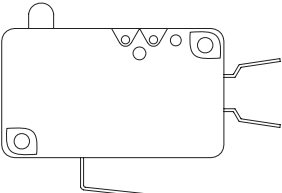
Electrical ratings

1:16 A 125/250VAC
2:6 A 125/250VAC
3:16 (6) A 125/250VAC
4:10 (3) A 250VAC
5:6 (3) A 250VAC

Base colour

0: Green
1: Black
2: Brown
3: Red

Outline Characteristic

NO.1 Form	NO.2 Form	NO.3 Form
		
A	B	C

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Circuit Illustration

	SPDT 1	SPST-NO 2	SPST-NC 3
Bottom common terminal			
Side common terminal			

Termination

250 standard terminal 6.3x0.8	250 standard terminal 4.8x0.8	250 standard terminal 4.8x0.5
1	2	3

Actuator Forms(Levers)

L1	L10	L19
L2	L11	L20

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MISW (=KW3-OZ) Micro Switch Series

L3	L12	L21
L4	L13	L22
L5	L14	L23
L6	L15	L24
L7	L16	L25
L8	L17	L26
L9	L18	L27

Switch

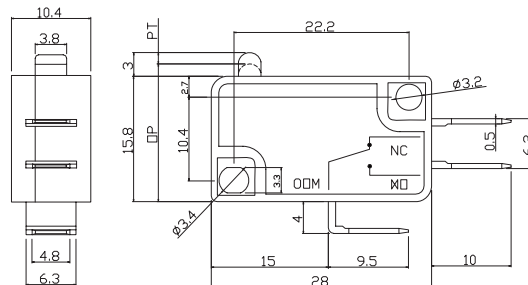
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MISW (=KW3-OZ) Micro Switch Series



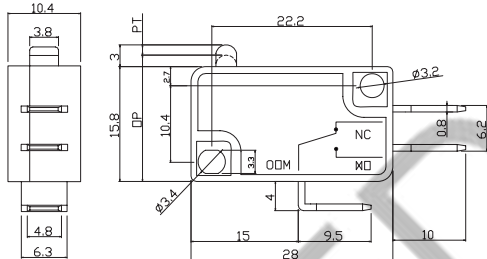
KW3-OZ-A133013L



Model	KW3-OZ-A133013L
DF (N)	0.3~4.5
MD Max(mm)	0.2
PT Max(mm)	2.3
OP Min(mm)	16.5



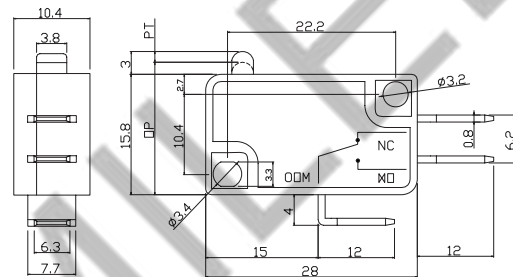
KW3-OZ-A123013L



Model	KW3-OZ-A123013L
DF (N)	0.3~4.5
MD Max(mm)	0.2
PT Max(mm)	2.3
OP Min(mm)	16.5



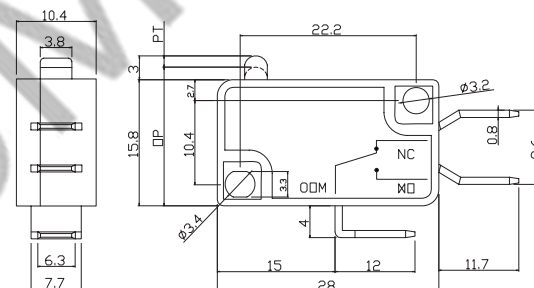
KW3-OZ-A113013L



Model	KW3-OZ-A113013L
DF (N)	0.3~4.5
MD Max(mm)	0.2
PT Max(mm)	2.3
OP Min(mm)	16.5



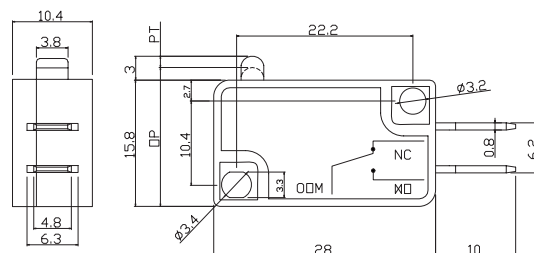
KW3-OZ-A113013



Model	KW3-OZ-A113013
DF (N)	0.3~4.5
MD Max(mm)	0.2
PT Max(mm)	2.3
OP Min(mm)	16.5



KW3-OZ-A223013L



Model	KW3-OZ-A223013L
DF (N)	0.3~4.5
MD Max(mm)	0.2
PT Max(mm)	2.3
OP Min(mm)	16.5

Switch

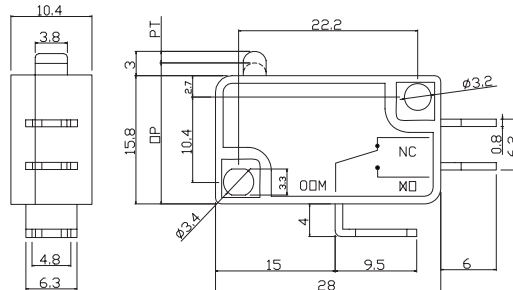
Micro Switch Series

MISW-1002 (=KW3-OZ-A111012-L7)

MISW (=KW3-OZ) Micro Switch Series



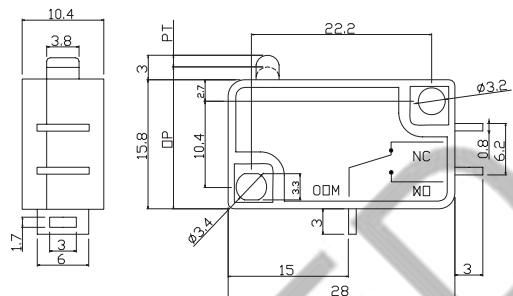
KW3-OZ-A143013L



Model	KW3-OZ-A143013L
DF (N)	0.3~4.5
MD Max(mm)	0.2
PT Max(mm)	2.3
OP Min(mm)	16.5



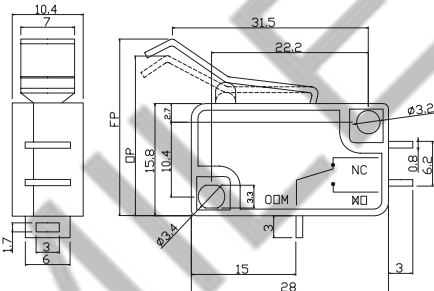
KW3-OZ-A103013L



Model	KW3-OZ-A103013L
DF (N)	0.3~4.5
MD Max(mm)	0.2
PT Max(mm)	2.3
OP Min(mm)	16.5



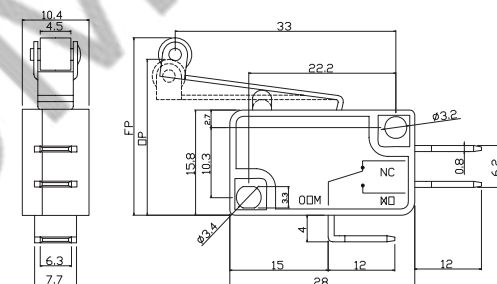
KW3-OZ-A103013L9



Model	KW3-OZ-A103013L9
DF (N)	0.3~4.5
MD Max(mm)	0.4
PT Max(mm)	25.3
OP Min(mm)	21.0



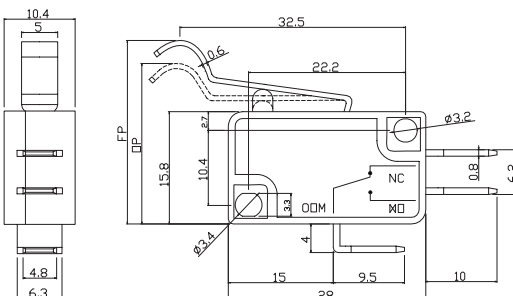
KW3-OZ-A113013L1



Model	KW3-OZ-A113013L1
DF (N)	0.3~4.5
MD Max(mm)	0.5
PT Max(mm)	26.0
OP Min(mm)	21.0



KW3-OZ-A123013L2



Model	KW3-OZ-A123013L2
DF (N)	0.3~4.5
MD Max(mm)	0.5
PT Max(mm)	25.3
OP Min(mm)	21.0

Switch

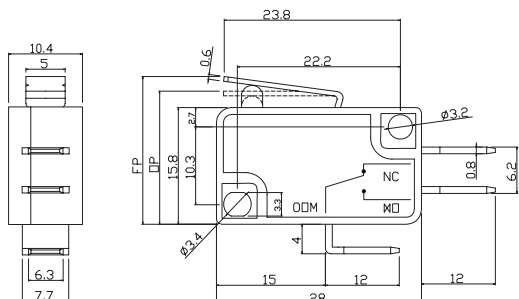
Micro Switch Series

MISW (=KW3-OZ) Micro Switch Series

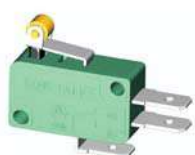
MISW-1002 (=KW3-OZ-A111012-L7)



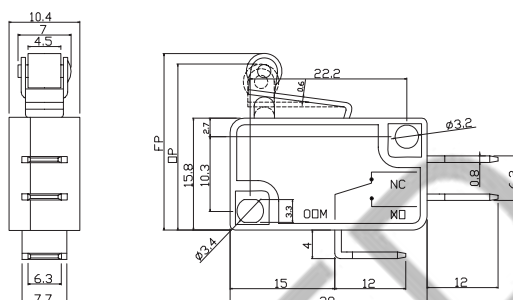
KW3-OZ-A113013L4



Model	KW3-OZ-A113013L4
DF (N)	0.3~4.5
MD Max(mm)	0.3
PT Max(mm)	19.8
OP Min(mm)	17.0



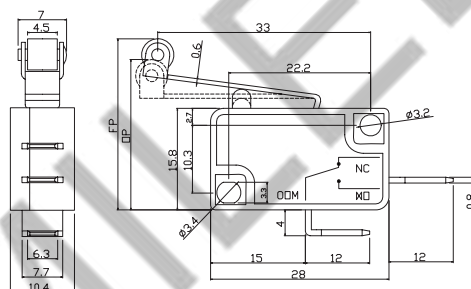
KW3-OZ-A113033L6



Model	KW3-OZ-A113033L6
DF (N)	0.3~4.5
MD Max(mm)	0.3
PT Max(mm)	25.0
OP Min(mm)	22.8



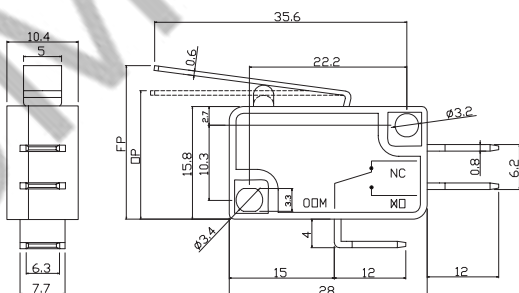
KW3-OZ-A213013L1



Model	KW3-OZ-A213013L1
DF (N)	0.3~4.5
MD Max(mm)	0.5
PT Max(mm)	26.0
OP Min(mm)	21.0



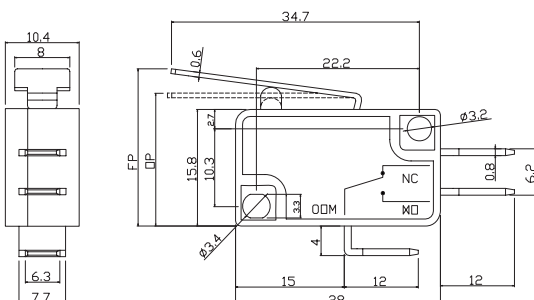
KW3-OZ-A113013L3



Model	KW3-OZ-A113013L3
DF (N)	0.3~4.5
MD Max(mm)	0.5
PT Max(mm)	22.5
OP Min(mm)	16.5



KW3-OZ-A113013L5



Model	KW3-OZ-A113013L5
DF (N)	0.3~4.5
MD Max(mm)	0.5
PT Max(mm)	21.0
OP Min(mm)	16.5

Switch

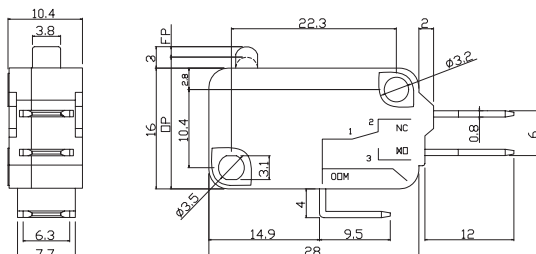
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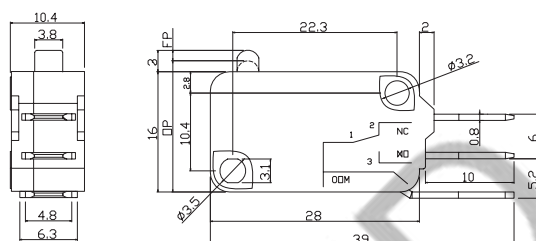
KW3-OZ-B133013L



Model	KW3-OZ-B133013L
DF (N)	0.3~4.5
MD Max(mm)	0.2
PT Max(mm)	2.0
OP Min(mm)	17.0



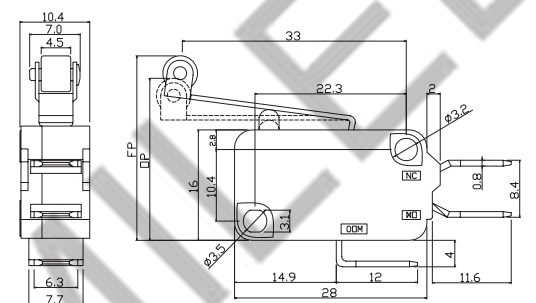
KW3-OZ-B123013L



Model	KW3-OZ-B123013L
DF (N)	0.3~4.5
MD Max(mm)	0.2
PT Max(mm)	2.0
OP Min(mm)	17.0



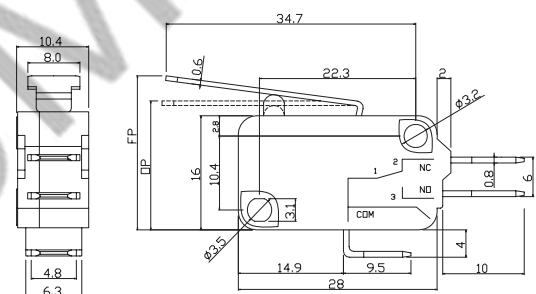
KW3-OZ-B113013L1



Model	KW3-OZ-B113013L1
DF (N)	0.3~4.5
MD Max(mm)	0.3
PT Max(mm)	26.0
OP Min(mm)	21.0



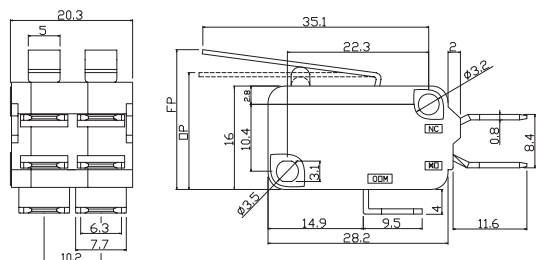
KW3-OZ-B123013L5



Model	KW3-OZ-B123013L5
DF (N)	0.3~4.5
MD Max(mm)	0.3
PT Max(mm)	21.0
OP Min(mm)	16.5



KW3-OZ-D113013L3



Model	KW3-OZ-D113013L3
DF (N)	0.3~4.5
MD Max(mm)	0.8
PT Max(mm)	24.5
OP Min(mm)	21.0

Switch

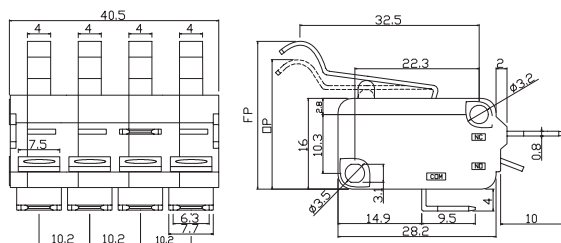
Micro Switch Series

MISW-1002 (=KW3-OZ-A111012-L7)

MISW (=KW3-OZ) Micro Switch Series



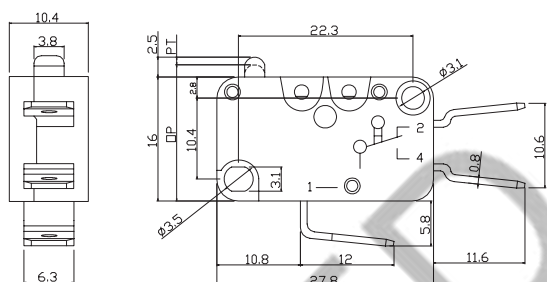
KW3-OZ-D203013L2



Model	KW3-OZ-D203013L2
DF (N)	0.3~4.5
MD Max(mm)	0.8
PT Max(mm)	24.5
DP Min(mm)	21.0



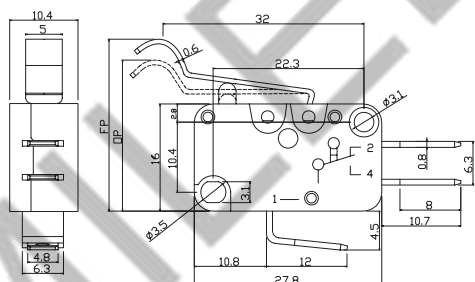
KW3-OZ-C113233L



Model	KW3-OZ-C113233L
DF (N)	0.3~4.5
MD Max(mm)	0.3
PT Max(mm)	2.0
DP Min(mm)	16.5



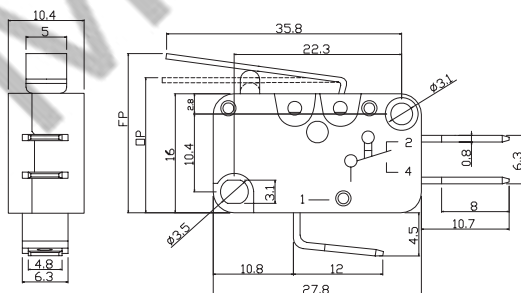
KW3-OZ-C123233L2



Model	KW3-OZ-C123233L2
DF (N)	0.3~4.5
MD Max(mm)	0.8
PT Max(mm)	24.2
DP Min(mm)	20.0



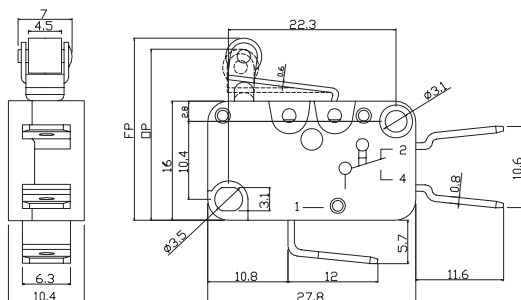
KW3-OZ-C123233L3



Model	KW3-OZ-C123233L3
DF (N)	0.3~4.5
MD Max(mm)	0.5
PT Max(mm)	20.0
DP Min(mm)	16.0



KW3-OZ-C113233L6



Model	KW3-OZ-C113233L6
DF (N)	0.3~4.5
MD Max(mm)	0.4
PT Max(mm)	24.5
DP Min(mm)	22.5

