

Micro Switch Series

KLS7-KW4-3Z 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

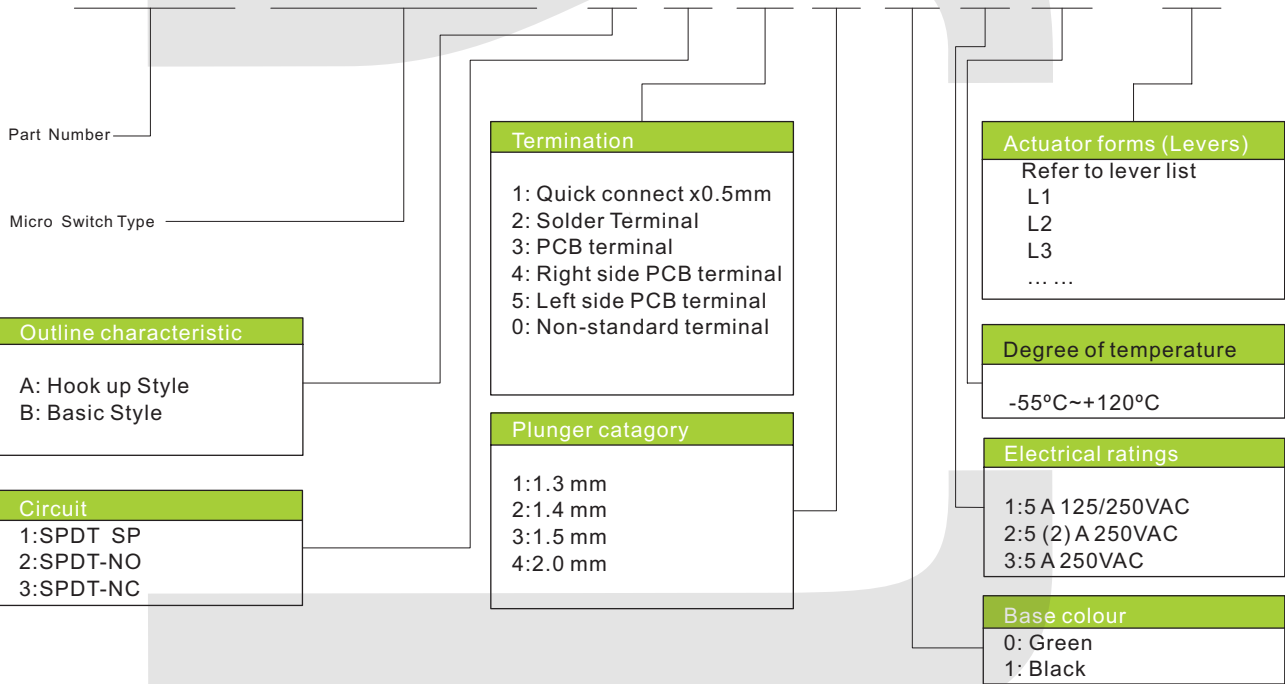
Items		Value
Operating speed		0.1mm~1m/S
Operating Frequency		Mechanical 60cycles/min; Electrical 25cycles/min
Insulation resistance		≥100MΩ (DC500V)
Contact resistance		≤30mΩ (Initial value)
Test voltage	Between terminals of same polarity	AC1500V 50/60HZ
	Between current-carrying metal parts and ground (case)	AC3750V 50/60HZ
Vibration resistance		10~55 HZ 1.5mm Double amplitude
Shock resistance		Destruction: OF>0.5N: 1000m/S2 (approx. 100G) Max OF≤0.5N: 400m/S2 (approx. 40G) Max
		Malfunction: OF>0.5N: 200m/S2 (approx. 20G) Max OF≤0.5N: 100m/S2 (approx. 10G) Max
Life expectancy		Mechanical ≥2000000cycles
		Electrical ≥50000cycles
Degree of protection against electric		Class I /Class II
PTI		175
Approvals		UL CUL VDE TUV CE DEMKO CQC

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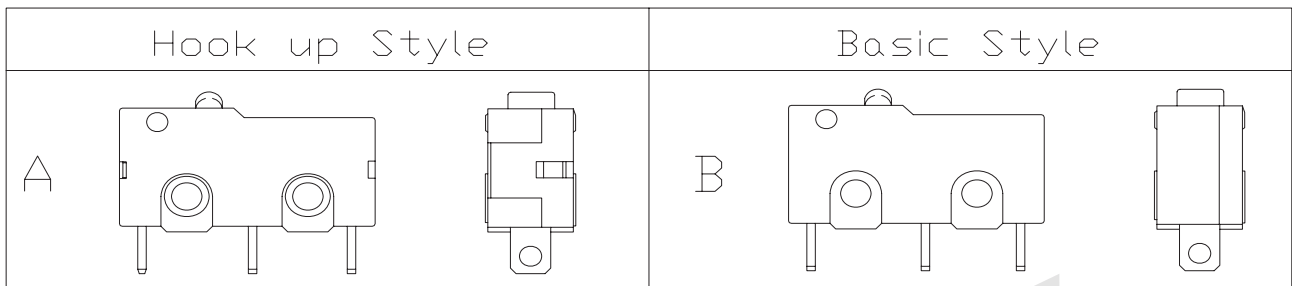
KLS7-KW4-3Z Micro Switch Series

ORDER INFORMATION

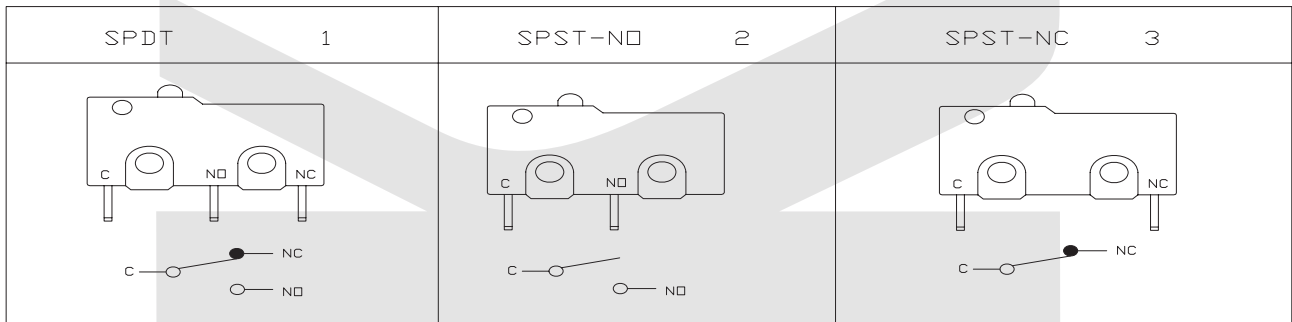
KLS7-KW4-3Z- X X X X X X X - X



Outline Characteristic



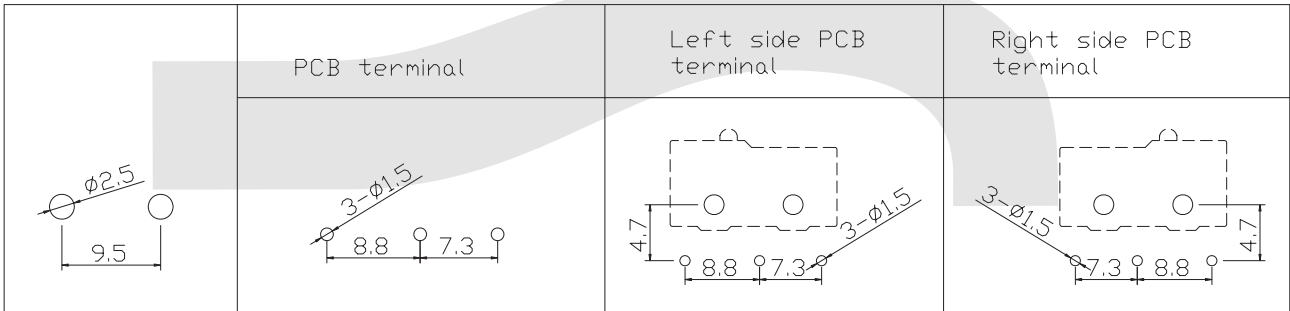
Circuit Illustration



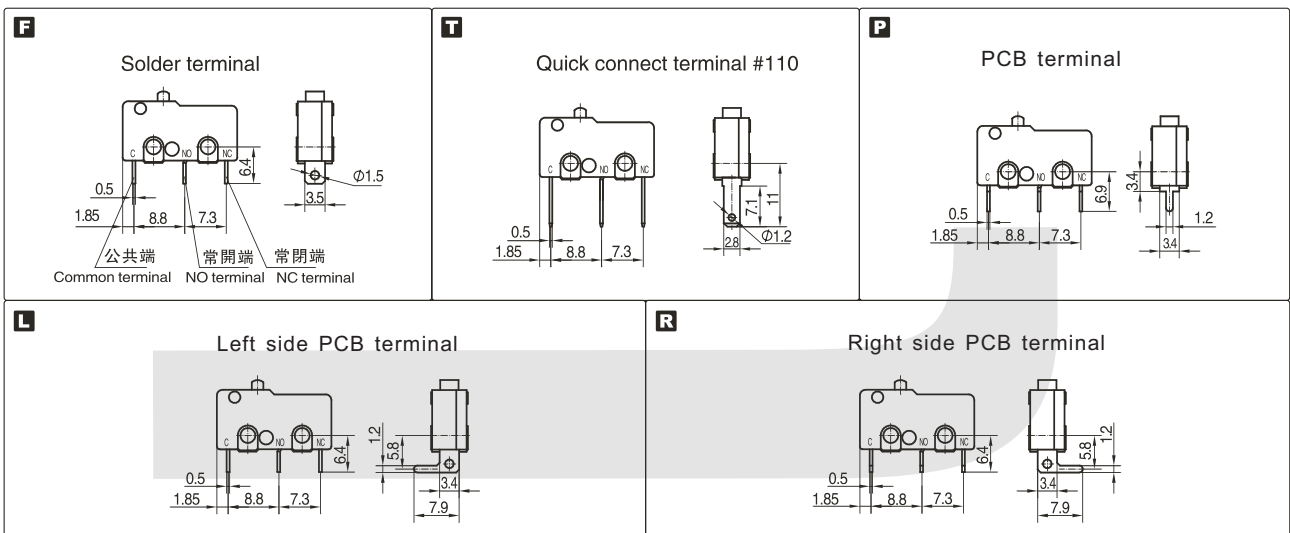
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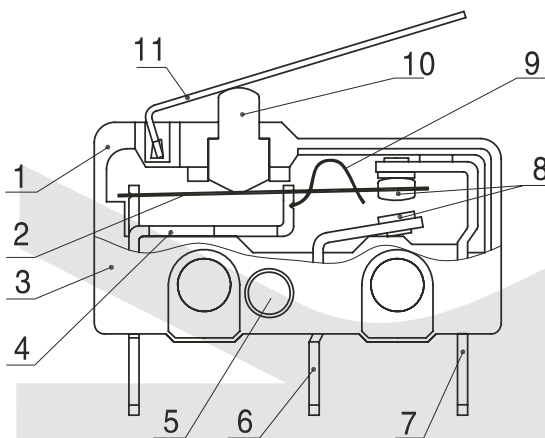
Mounting Hole Dimensions



Terminal dimensions




Internal configuration drawing

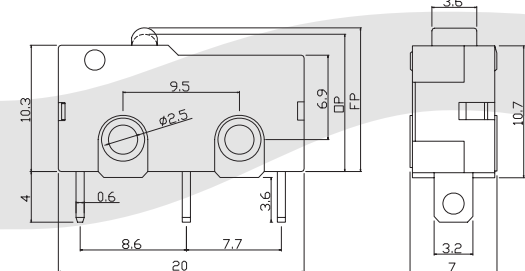


- 1 Case
- 2 Moving piece
- 3 Cover
- 4 Support
- 5 Rivet
- 6 NO terminal
- 7 NC terminal
- 8 Contact
- 9 Spring
- 10 Plunger
- 11 Moving arm(Lever)


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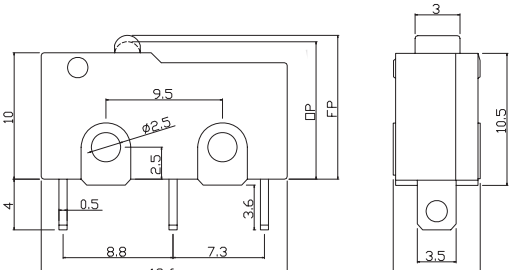
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 KLS7-KW4-3Z-A122013L




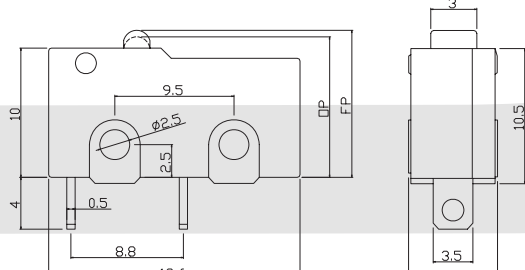
Model	KLS7-KW4-3Z-A122013L
DF (N)	0.2~3.0
MD Max(mm)	0.2
PT Max(mm)	12.2
DP Min(mm)	11.0

 KLS7-KW4-3Z-B122013L




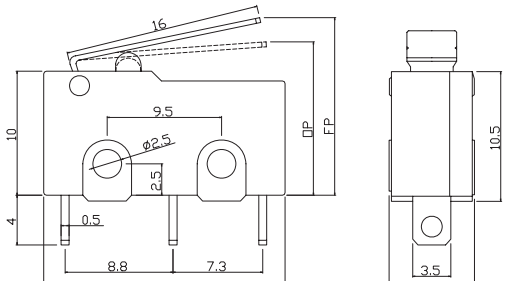
Model	KLS7-KW4-3Z-B122013L
DF (N)	0.2~3.0
MD Max(mm)	0.2
PT Max(mm)	12.2
DP Min(mm)	11.0

 KLS7-KW4-3Z-B222013L




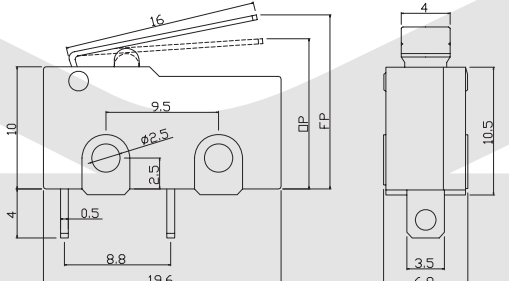
Model	KLS7-KW4-3Z-B222013L
DF (N)	0.2~3.0
MD Max(mm)	0.2
PT Max(mm)	12.2
DP Min(mm)	11.0

 KLS7-KW4-3Z-B122013L1



Model	KLS7-KW4-3Z-B122013L1
DF (N)	0.2~3.0
MD Max(mm)	1.2
PT Max(mm)	14.5
DP Min(mm)	10.5

 KLS7-KW4-3Z-B222013L1



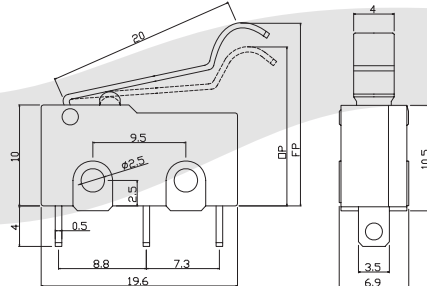
Model	KLS7-KW4-3Z-B222013L1
DF (N)	0.2~3.0
MD Max(mm)	1.2
PT Max(mm)	14.5
DP Min(mm)	10.5

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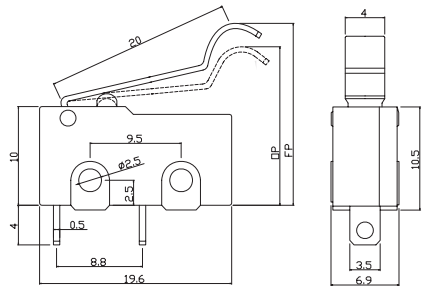
KLS7-KW4-3Z-B122013L2



Model	KLS7-KW4-3Z-B122013L2
DF (N)	0.2~3.0
MD Max(mm)	1.2
PT Max(mm)	17.0
DP Min(mm)	13.0



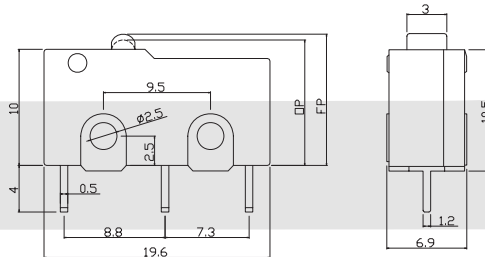
KLS7-KW4-3Z-B222013L2



Model	KLS7-KW4-3Z-B222013L2
DF (N)	0.2~3.0
MD Max(mm)	1.2
PT Max(mm)	17.0
DP Min(mm)	13.0



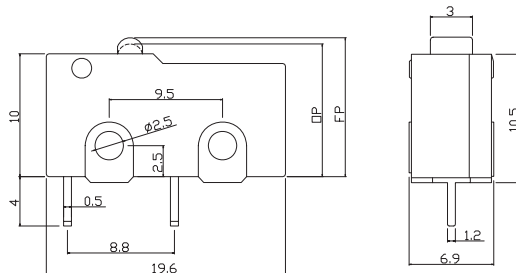
KLS7-KW4-3Z-B132013L



Model	KLS7-KW4-3Z-B132013L
DF (N)	0.2~3.0
MD Max(mm)	0.2
PT Max(mm)	12.0
DP Min(mm)	11.0



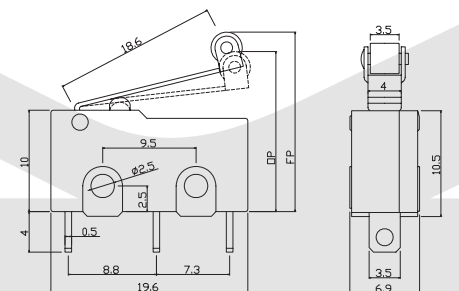
KLS7-KW4-3Z-B232013L



Model	KLS7-KW4-3Z-B232013L
DF (N)	0.2~3.0
MD Max(mm)	0.2
PT Max(mm)	12.0
DP Min(mm)	11.0



KLS7-KW4-3Z-B122013L3

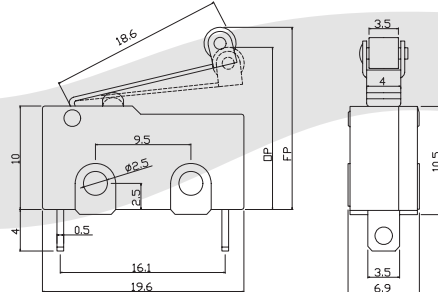


Model	KLS7-KW4-3Z-B122013L3
DF (N)	0.2~3.0
MD Max(mm)	1.2
PT Max(mm)	19.5
DP Min(mm)	16.0

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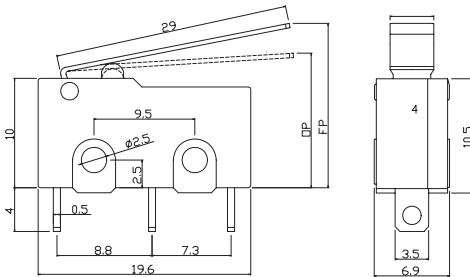
KLS7-KW4-3Z Micro Switch Series

KLS7-KW4-3Z-B322013L3



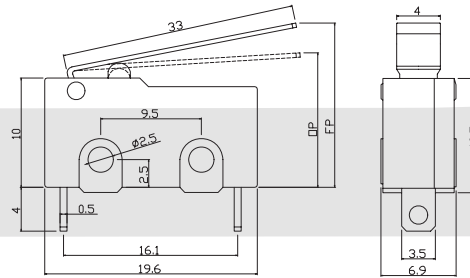
Model	KLS7-KW4-3Z-B322013L3
DF <N>	0.2~3.0
MD Max<mm>	1.2
PT Max<mm>	19.5
DP Min<mm>	16.0

KLS7-KW4-3Z-B122013L4



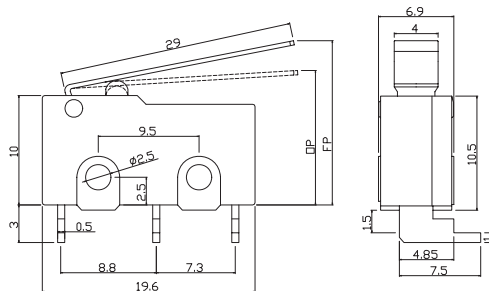
Model	KLS7-KW4-3Z-B122013L4
DF <N>	0.2~3.0
MD Max<mm>	1.5
PT Max<mm>	18.0
DP Min<mm>	14.5

KLS7-KW4-3Z-B322013L4



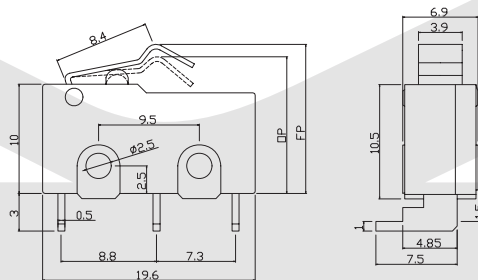
Model	KLS7-KW4-3Z-B322013L4
DF <N>	0.2~3.0
MD Max<mm>	1.5
PT Max<mm>	18.0
DP Min<mm>	14.5

KLS7-KW4-3Z-B152013L4



Model	KLS7-KW4-3Z-B152013L4
DF <N>	0.2~3.0
MD Max<mm>	1.5
PT Max<mm>	18.0
DP Min<mm>	14.5

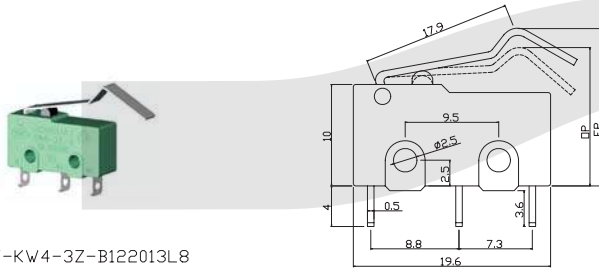
KLS7-KW4-3Z-B142013L5



Model	KLS7-KW4-3Z-B142013L5
DF <N>	0.2~3.0
MD Max<mm>	0.5
PT Max<mm>	15.5
DP Min<mm>	14.1

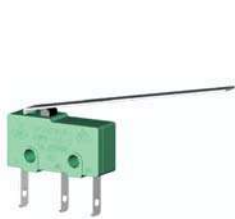
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KLS7-KW4-3Z-B122013L8

Model	KLS7-KW4-3Z-B122013L8
DF (N)	0.2~3.0
MD Max(mm)	1.0
PT Max(mm)	18.0
DP Min(mm)	13.5



KLS7-KW4-3Z-B112013L17

Model	KLS7-KW4-3Z-B112013L17
DF (N)	0.2~3.0
MD Max(mm)	2.0
PT Max(mm)	20.0
DP Min(mm)	14.0