



Schedule of materials					NINGBO KLS ELECTRONIC CO; LTD			
No.	Items	Material	Plating	Remark	日期 Date	2019.06.18	名称 Name	按钮开关 Button switch
1	Housing	Stainless steel /H59	Nickel plating		设计 Design	Tian shihong	型号 Type	L-KLS7-PBS-M19-01D
2	Base	PA66			批核 Approval	Wu Yinyong	图号 Drawing No.	
3	Button	Stainless steel			普通公差:尺寸1~10±0.1mm; 10~20±0.2mm; 20~30±0.3mm; 30~40±0.5mm.			
4	Contact points	Silver alloys						
5	Terminal	H62	Silver plating					
6								

## Technical Parameters

1. Product Name		Metal Push Button Switch				
2. Product Model		L-KLS7-PBS-M19-01D				
3. Electrical parameters		3A 250VAC		3A 125/250VAC		
4. Certification Status						
5. Operating temperature range -25°C ~ 85°C (45~85%RH)						
6. Product shape drawing See attached page						
7. Performance : Protection class: IP65 IK08 Self-repeating Without light						
	Item	Test Test Conditions Conditions			Spe G cific atio n	
Mechanical Performance	Operating stroke	Apply force in the direction of switch operation until the switch locks			1.6-1.9mm	
	Motivation	Slowly apply a load to the switch in the vertical direction			4 to 8N	
	Mechanical life	Without loading, at 30 times/minute speed			Operation cycles up to 100,000 times	
	Solderability	Solder temperature 230±5°C Dip time 3±0.5S			Staining area of more than 90% of the impregnated area	
	Resistance to welding heat	Solder temperature 260±5°C Dip time 5±1S			Electrical and mechanical performance without abnormalities	
Electrical	Contact resistance		6V.DC		≤50mΩ	
	Insulation resistance		500V.DC Duration 1min		≥2MΩ	
	Standard Requirements		IEC61058		UL61058	
			Test Conditions	Requirements	Test Conditions	Requirements
	Voltage resistance	Micro Break	500Vac/50Hz,Duration 1min		No flash and no penetration	1000Vac/50Hz, duration 1min
		The Basic Edge	1500Vac/50Hz,Duration 1min			1000Vac/50Hz,Duration 1min

Performance	ce test					
	Durability Test	Overload Test	3.45A/cosΦ0.95 288Vac, 15 times/min, Total 100 times	Normal function	4.5A/250VAC, 6-10 times/min, Total 50 times	Normal function
		Durability Test	3A/cosΦ0.95 250Vac, 15 times/minute, 9900 times in total		3A/250VAC, 6-10 times/minute, Total 10000 times	
Temperature rise test		3A, continuous power supply for 1h until the temperature rise is stable, connection cable specification: 0.5~0.75mm <sup>2</sup>	Terminal temperature rise ≤55K	3A, continuous power on for 1h until the temperature rise is stable, connection cable specification: 18AWG	Terminal temperature rise ≤55K	

Remark: Avoid storing in humid and high temperature environment!