Page: 1/5

KINGHOR SWITCH

PRODUCT SPECIFICATION 产品规格书

ľ	NINGHO	K SWITCH		PRODUCT SI	PECIFICATI	.ON 产品	观格 书		
	文件编号 F]	ILE NO.	H3-B1-1B05W2-	2-300	文件版次	EDITION	A1		
	产品编码 PA	ART NO.	H3-B1-1B05W2-	2-300					
	产品描述 Pr	roduct Name	Micro Switch						
1	General Chara	acteristics 一般特性:							
1. 1	Application: This	s specification is applied	to the micro switch (H	3) for general applica	ntions.				
	适用范围:该承	认书指微动开关(H3)	的一般使用范围。						
1.2	Operating Tempe	erature Range: -25℃to	+85℃						
	使用温度范围:	-25℃to	o +85℃						
	Preservative Temperature Range: -25℃to +85℃								
	保存温度范围:	-25℃to) +85℃						
1.3	Operating Relativ	ve Humidity: ≤85%RF	1						
	相对湿度:	≤85%F	RH						
1.4	Test Conditions:	Unless otherwise specifie	d, the atmospheric con	ditions for making m	neasurements an	d tests are as f	follows:		
	实验条件: 若没	有特别说明,则试验大	气条件如下:						
	Ambient Tempera	ature: 5~35℃							
	环境温度:	5~35℃							
	Relative Humidity	y: 45~85%							
	相对湿度:	45~85%	ó						
	Air Pressure:	86~106K _f	oa (860~1060mbar)						
	大气压力:	86~106	Kpa (860~1060mbai	·)					
2.	Appearance, S	Structure and Dimens	ions 外观,结构及广	रेर्गः					
2. 1	Appearance:	The switch shall have	good finishing, and no	rust, crack or platin	g defects.				
	外观:	产品外观良好,是	无锈蚀、裂纹和镀层的						
2. 2	Structure & Dime	ensions: Refer to individ	ual product drawing.						
	结构及尺寸:	参见产品图纸							
2. 3	Markings:	Refer to individual p	Refer to individual product drawing.						
	标识:	参见产品图纸。							
	D.	CERTIFICATION	RATINO		CYCLES	FILE 1	NO.		
3.	Ratings 额定负荷		0.1A 125/250 12VDC		00, 000				

4. Electrical Characteristics 电气特性

No.	Item 项目	Criteria 标准	Test Method 实验方法
4 1	Insulation Resistance	100 MΩ min.	100VDC voltage is applied between each pair of terminals and between the terminal and the metal frame for $60\pm5\mathrm{S}.$
4. 1	绝缘电阻	100 MΩ min.	在相互绝缘的所有端子之间及各接线端子与外露的非载流金属零件之间加载100V直流电,持续时间60±5S。

0.1A 48VDC u 25T85

Page: 2/5

KINGHOR SWITCH

PRODUCT SPECIFICATION 产品规格书

		X SWITCH		PRODUCT SPE		.014 / нн/	у с тн т ч	
	文件编号 FI	LE NO.		1B05W2-2-300	文件版次	EDITION	A1	
	产品编码 PART NO.		H3-B1-1B05W2-2-300					
	产品描述 Pr	oduct Name	Micro \$	Switch				
4. 2	Dielectric No dielectric breakdown occur.		n shall	1000VAC $(50^{\circ}60\text{Hz}, \text{cut} - \text{off current } 10\text{mA})$ is applied between non-connected terminals and 1000VAC between terminals and the metal frame for $60 \pm 5\text{s}$.				
	抗电强度	无击穿现象发生。		在相互绝缘的所有接线端子之接线端子与外壳或非载流金属交流电,持续时间60±5S。				
5. Med	hanical Charac	teristics 机械特性		·				
No.	Item 项目	Criteria 标准		Test Met	hod 实验方	法		
5. 1	Operating Force	See product drawing		Apply a tension load on the midpoint of the actuator (or 1mm to the tip of the shaft) to supply a pressure vertically from its free position to operating position.				
	操作力	参见产品图纸		在操作元件中间(或在离操作 施加静载荷,使操作元件转割			句均匀	
5 . 2	Releasing Force	See product drawing		A static load shall be reduced to the tip of actuator in operating direction to change component from operating position to release position.				
S. 2	回复力	参见产品图纸		在操作元件末端沿操作方向均刀减少静载荷,使操作元件从动作位置转换到释放位置。				
5. 3	Free position	See product drawing		The position where the actuator lead the Displacement when its out of force or the force is not enough to drive the actuator.				
	自由位置	参见产品图纸		驱动件在不承受操作力以及不足以引起位移时所处的位置				
5. 4	Operating Position	See product drawing		The distance from the end of operating component to the center of mount hole when switch is being transformed			t to	
	操作位置参见产品图纸		开关发生转换时,操作元件末端到开关安装孔中心的距				离	
5. 5	Pre Travels	See product drawing		The distance vertically through, which the midpoint the actuator (or tip of the shaft) trip move from i free position to operating position.				
	行程	参见产品图纸		从自由位置到动作位置的距离。				
	Differential Travel	See product drawing		The distance from operating position to release position				
5. 6	差程	参见产品图纸		从动作位置到释放位置的距离。				
5. 7	Over travel	See product drawing		The displacements of actuator form operation to total travel position.				
	超行程	参见产品图纸		驱动件从动作位置到全行程位	立置间的位移			

Page: 3/5

		OR SWITCH	U2 D1	1B05W2-2-300	SPECIFICATION 产品规格书				
	文件编号	FILE NO.		1B05W2-2-300 1B05W2-2-300	文件版次 EDITION A1				
	产品编码	PART NO.							
	产品描述	Product Name	Micro	Switch —————					
6. Du:	rability chan								
No.	Item 项目	Criteria 标准		Test	Method 实验方法				
6. 1	Mechanical Life	min. The electrical perform requirements specified item 4.2 shall be sati The switch shall be fr abnormalities in appear construction.	Insulation resistance: $50M\Omega$ min. The electrical performance requirements specified in item 4.2 shall be satisfied. The switch shall be free from abnormalities in appearance construction. Operating force: within $\pm 30\%$		500,000 cycles of operation shall be performed continuously at a rate of 60 cycles per minute withou load.				
	机械寿命	实验后: 绝缘电阻: 50MΩ min. 电气性能应符合第4.2条的要求。 开关外观及结构应无损坏。 操作力变化为初始值的 ±30%。		在不带负荷的条件下,速度为60次/分,在寿命试验设备上连续转换500,000次。					
6. 2	Operating Life with Load	After test, Insulation resistance: $10M\Omega$ min. The electrical performance requirements specified in item 4.2 shall be satisfied. The switch shall be free from abnormalities in appearance construction. Operating force: within $\pm 30\%$ initialization value.		IEC61058-1: 100,000 cycles of oper a shall be performed continuously at a rate of 30 cycles per minute with load as follow: Refer to individual product drawing (Resistive Load)					
	负荷寿命	开关外观及结构应无损坏			IEC61058-1: 在产品图纸标示负荷的下,在寿命试验设备上 续转换100,000次,30次/分。				
7. We	ather Proof (Characteristics 耐候性能	:						
7. 1	Cold Proof			shall be allowed to humidity conditions	$5\pm2^\circ$ C for 96 hours, the switch stand under normal temperature and for 1 hour, and measurement shall rafter that. Water drops shall be				
	低温				箱内保持96小时,然后在正常温度和湿 2后1小时内对试品进行测量,水滴应消				

KINGHOR SWITCH

PRODUCT SPECIFICATION 产品规格书

	文件编号 F	ILE NO.	H3-B1-	1B05W2-2-300	文件版次	EDITION	A1	
	产品编码 PART NO. HS			H3-B1-1B05W2-2-300				
	产品描述 Pa	roduct Name	Micro S	Switch				
7. 2	Hot Proof	After test, Insulation resistance: $50M\Omega$ Min.		After testing at $85\pm~2^\circ$ C for 96 hours, the switch shall be allowed to stand under normal temperature and humidity conditions for 1 hour, and measurement shall be made within 1 hour after that.			ture	
	高温			试件在85±2℃的温控箱内保持96小时,然后在正常温度和湿度下恢复1小时,并在此后1小时内对试品进行测量,水滴应消失。				
7.3	Moisture Resistance	The Electrical performation requirements specified item 4.2 shall be satisfied. The switch slappearance &construction control of the summation	in hall be s in	After testing at $60\pm~2^\circ$ C ,90~95% RH for 96 hours, the switch shall be allowed to stand under normal temperature and humidity conditions for 1 hour, and measurement shall be made within 1 hour after that. Water drops shall be eliminated.				
	恒定湿热	实验后: 绝缘电阻: 50MΩ Min. 电气性能应符合第4.2条的 开关外观及结构应无损坏。	的要求。	试件在60±2℃,90-95%RH的 常温度和湿度下恢复1小时, 量,水滴应消失。				
	Temperature Cycling	717 X 17302X 113		After 4 cycles of followi stay under normal tempera for 2 hours, and measurem hour after that. Water dr	ture and hu	umidity cond be made with	itions in 1	
7.4				试件按下述实验条件试验 4个下恢复 2小时,并在此后 1/1 失。				
	温度转换			+85°C 10-15-no. 1-15-no. 1-	10-13 riss			

8. Material List 材料清单

No. 序号	零部件名称 Parts Name	数量 Quantity	材料,规格 Material and Specifications	防火等级 Prevent fire grade	备注 Remarks
1	外壳 Cover	1	PA		
2	防水壳 Base	1	PA		
3	按钮 Actuating button	1	POM		
4	密封圈 Sealed Circle	1	Silicone Rubber		
5	COM端子 COM Terminal	1	Cu Alloy		Ag PLATED

Page: 5/5

KINGHOR SWITCH

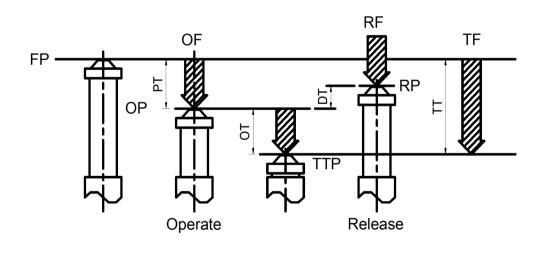
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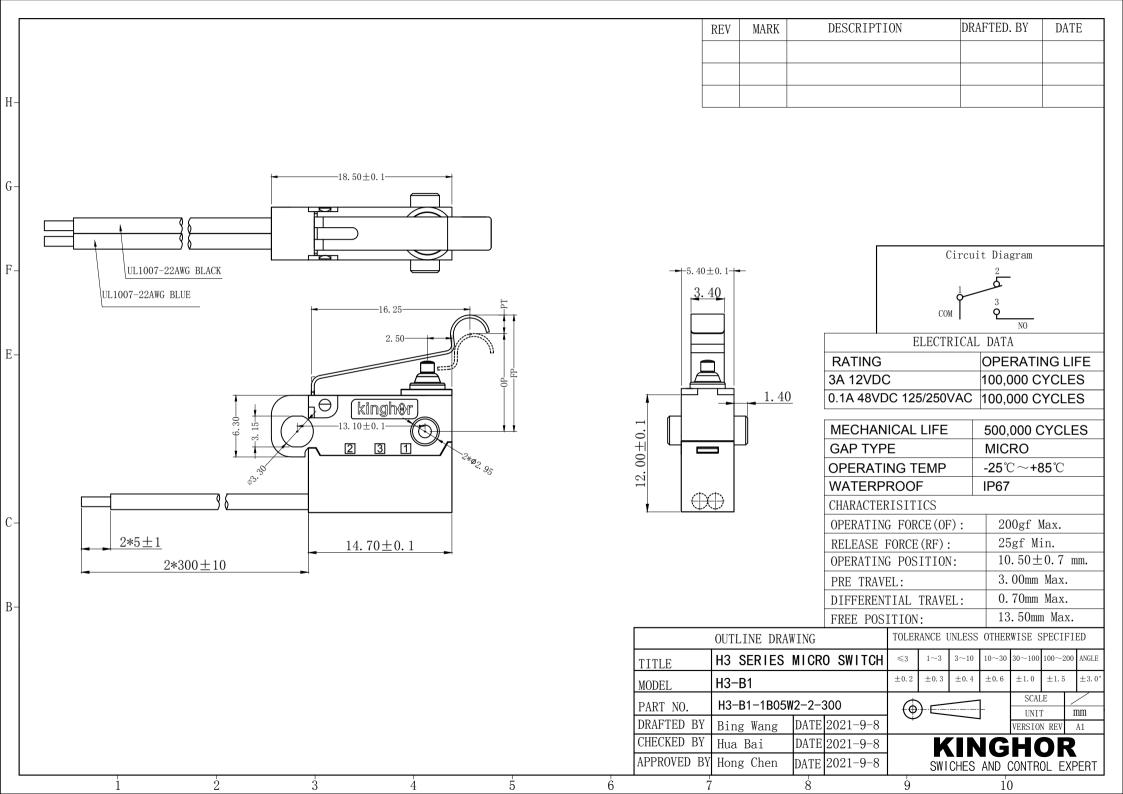
	文件编号 FILE NO.		H3-B1-1B05W2-2-300 文件版次 EDITION A		EDITION A1	
产品编码 PART NO.			H3-B1-1B05W2-2-300			
产品描述 Product Name			Micro Switch			
6	弹簧 Spring	1	SWP			
7	动片 Moving Blade	1	Cu Alloy		Ag PLATED	
8	动片触点 MB Contact	1	Ag Alloy			
9	NO 端子 NO Terminal	1	Cu Alloy		Ag PLATED	
10	NO 端子触点 NO Contact	1	Ag Alloy			
11	NC 端子 NC Terminal	1	Cu Alloy		Cut the terminal	
12	手柄 Handle	1	SUS			
13	电线 Electric Wire	2	UL1007-22AWG			
14	密封胶水 Sealed Glue	0.01g	Silicone Rubber			
15	防水壳胶水 Waterproof Shell Glue	0.5g	Epoxy Resin			

9. Operating data diagram 操作参数示意图

OF :Operating Force OP : Operating Position TT :Total Travel
RF :Release Force TTP: Total Travel Position TF :Total travel Force
RP :Release Position FP : Free Position PT :Pre Travel

OT :Over Travel DT : Differential Travel





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