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KINGHOR SWITCH

PRODUCT SPECIFICATION 产品规格书

文件编号	FILE NO.	H3-B1-1C00W2-2-200-T092(16A)	文件版次	EDITION	A. 1
产品编码	PART NO.	H3-B1-1C00W2-2-200-T092 (16A)			
产品描述	Product Name	Micro Switch			

[General Characteristics 一般特性:

1.1 Application: This specification is applied to the micro switch (H3) for general applications.

适用范围:该承认书指微动开关(H3)的一般使用范围。

1. 2 Operating Temperature Range: -25°Cto +85°C

使用温度范围: -25℃to +85℃

Preservative Temperature Range: -25°C to +85°C

保存温度范围: -25℃to +85℃

1. 3 Operating Relative Humidity: ≤85%RH

相对湿度: ≤85%RH

1. 4 Test Conditions: Unless otherwise specified, the atmospheric conditions for making measurements and tests are as follows:

实验条件: 若没有特别说明,则试验大气条件如下:

Ambient Temperature: 5~35℃ 环境温度: 5~35℃ Relative Humidity: 45~85%

相对湿度: 45~85%

Air Pressure: 86~106Kpa (860~1060mbar) 大气压力: 86~106Kpa (860~1060mbar)

2. Appearance, Structure and Dimensions 外观,结构及尺寸:

2. 1 Appearance: The switch shall have good finishing, and no rust, crack or plating defects.

外观: 产品外观良好,无锈蚀、裂纹和镀层缺陷。

2. 2 Structure & Dimensions: Refer to individual product drawing.

结构及尺寸: 参见产品图纸

2. 3 Markings: Refer to individual product drawing.

标识: 参见产品图纸。

	Datings	CERTIFICATION	RATING	LIFE CYCLES	FILE NO.
3.	Ratings 额定负荷		5A 125/250VAC 25T85	50, 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	IIOO M O min	100VDC voltage is applied between each pair of terminals and between the terminal and the metal frame for $60\pm5\mathrm{S}.$
	绝缘电阻		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。
	** 1	No dielectric breakdown snall	1000VAC (50~60Hz, cut - off current 10mA) is applied between non-connected terminals and 1500VAC between terminals and the metal frame for 60 ± 5 s.
4. 2	抗电强度		在相互绝缘的所有接线端子之间1000V(50-60Hz)交流电,各接 线端子与外壳或非载流金属零件之间加载1500V(50-60Hz)交流 电,持续时间60±5S。

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产品描述	Product Name	Micro Switch			
产品编码	PART NO.	H3-B1-1C00W2-2-200-T092 (16A)			
文件编号	FILE NO.	H3-B1-1C00W2-2-200-T092(16A)	文件版次	EDITION	A. 1

5. M	5. Mechanical Characteristics 机械特性								
No.	Item 项目	Criteria 标准	Test Method 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(或在离操作元件末端1mm处)沿操作方向均匀施加静载荷,使操作元件转换到动作位置。						
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.						
	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	•		The position where the actuator lead the Displacements 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						
	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 of the actuator (or tip of the shaft) trip move from its 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。						
5. 6	Differential Travel	See product drawing	The distance from operating position to release position						
	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.						
J. 1	超行程	参见产品图纸	驱动件从动作位置到全行程位置间的位移 .						

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PRODUCT SPECIFICATION 产品规格书

文件编号	FILE NO.	H3-B1-1C00W2-2-200-T092(16A)	文件版次	EDITION	A. 1
产品编码	PART NO.	H3-B1-1C00W2-2-200-T092 (16A)			
产品描述	Product Name	Micro Switch			

6. I	6. Durability characteristics								
No.	Item 项目	Criteria 标准	Test Method 实验方法						
6. 1	Mechanical Life	After test, Insulation resistance: $50\text{M}\Omega$ 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.	500,000 cycles of operation shall be performed continuously at a rate of 60 cycles per minute without 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: 50,000 cycles of oper a shall be performed continuously at a rate of 15 cycles per minute with load as follow: Refer to individual product drawing (Resistive Load)						
	负荷寿命	实验后: 绝缘电阻: 10MΩ 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%。	IEC61058-1: 在产品图纸标示负荷的下,在寿命试验设备上连续转换50,000次,15次/分。						
7. \	Weather Proof (Characteristics 耐候性能:							

7. 1	Cold Proof	After test shall be a humidity of made with eliminated
	低温	试件在-25: 下恢复1小

sting at $-25 \pm 2^{\circ}$ C for 96 hours, the switch allowed to stand under normal temperature and conditions for 1 hour, and measurement shall be nin 1 hour after that. Water drops shall be

5±2℃的温控箱内保持96小时,然后在正常温度和湿度 时,并在此后1小时内对试品进行测量,水滴应消失。

KINGHOR SWITCH

PRODUCT SPECIFICATION 产品规格书

	文件编号	FILE NO.	H3-B1-	1C00W2-2-200-T092 (16A)	文件版次	EDITION	A. 1		
	产品编码	PART NO.	Н3-В1-	-1C00W2-2-200-T092 (16A)					
	产品描述	Product Name	Micro	Switch					
7.2	Hot Proof	After test, Insulation resistance:50MΩ Min. The Electrical performance requirements specified in item 4.2 shall be satisfied. The switch shall be free from abnormalities in appearance & construction. 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。		After testing at $85\pm2^\circ$ 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.					
	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			After testing at $40\pm~2^{\circ}$ 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			试件在40±2℃,90-95%RH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. 4	Temperature Cycling			After 4 cycles of followistay under normal temperafor 2 hours, and measuremafter that. Water drops side time that the cycles and the cycles and the cycles are the cycles and the cycles are the cycles and the cycles are the cycles	ature and homent shall be el Shall be el 个循环,然后	umidity cond be made with iminated. 在正常温度	litions nin 1 hour 和湿度下恢		
	温度转换			+85 18-15.00. 10	18 - 18 - 18 - 18 - 18 - 18 - 18 - 18 -				

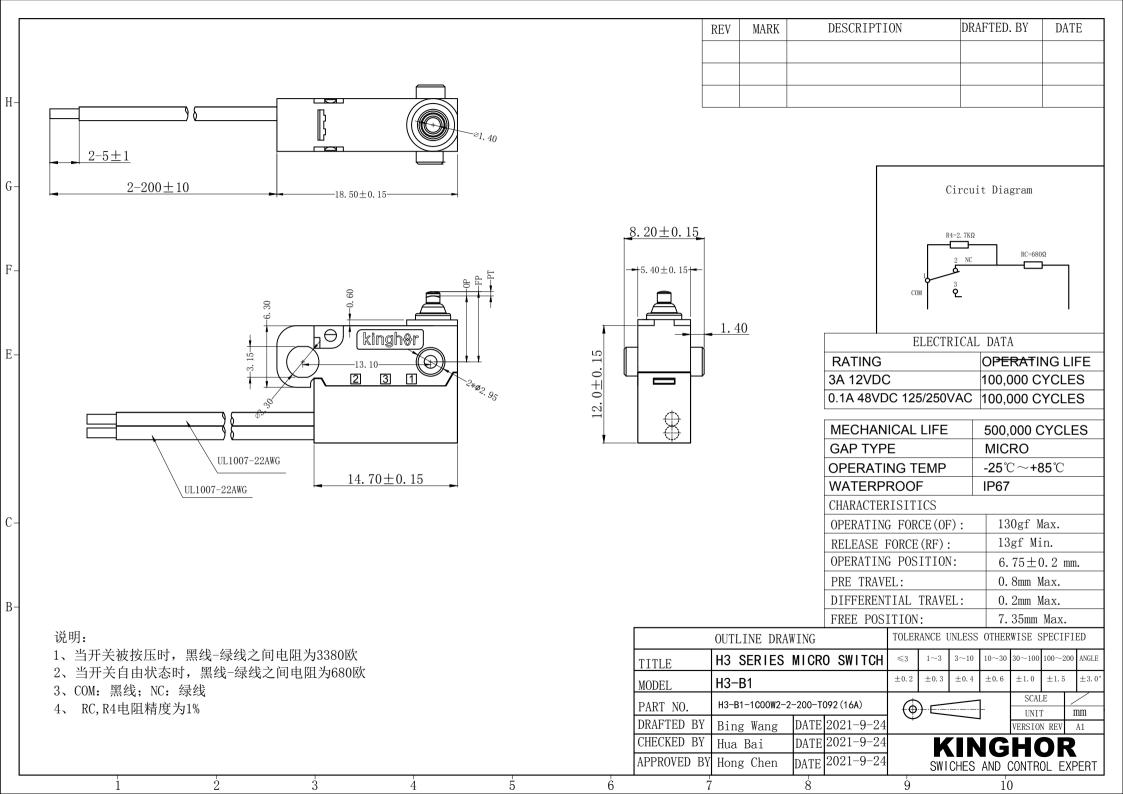
No. 序 号	零部件名称 Parts Name	数量 Quantity	材料,规格 Material and Specifications	防火等级 Prevent fire grade	备注 Remarks
1	防水壳 Cover	1	PA		
2	外壳 Base	1	PA		
3	按钮 Actuating button	1	POM		
4	密封圈 Sealed Circle	1	Silicone Rubber		
5	COM端子 COM Terminal	1	Cu Alloy		Ag PLATED
6	弹簧 Spring	1	SWP		
7	动片 Moving Blade	1	Cu Alloy		Ag PLATED
8	动片触点 MB Contact	1	Ag Alloy		
9	NC端子 NC Terminal	1	Cu Alloy		Ag PLATED
10	NC 端子触点 NC Contact	1	Ag Alloy		
11	PCB组件 PCB Subassembly	1	Resistance		680欧,2700欧
12	电线 Electric Wire	2	UL1007 22AWG		
13	密封胶水 Sealed Glue	0.01g	Silicone Rubber		

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PRODUCT SPECIFICATION 产品规格书

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文件编号 FILE N	IO.	H3-B1-1C00W2-2-2	00-T092 (16A)	文件版次	EDITION	A. 1	
产品编码 PART 1	Ю.	H3-B1-1C00W2-2-2	00-T092 (16A)				
产品描述 Produc	t Name	Micro Switch					
14 防水壳胶水 Waterproof Glue	Shell 0.5g	Epoxy Resin					
9. Operating data diagram 操作	参数示意图	•	•				
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 OT: Over Travel DT: Differential Travel OF: Operating Force OP: Operating Position TF: Total Travel TF: Total travel Force PT: Pre Travel OF: Operating Force OP: Operating Position TF: Total Travel TF: Total travel Force PT: Pre Travel OF: Operating Force OP: Operating Position TF: Total Travel TF: Total T							



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