APPROVAL SHEET

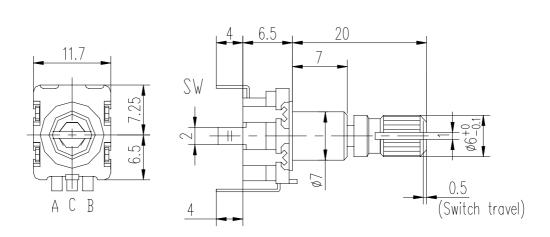
承認書編號:

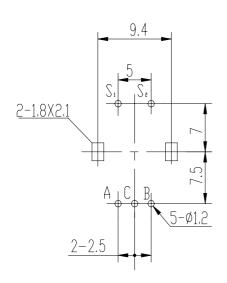
SHEET NO: <u>NDE1117081701A</u>

客 戶	
CUSTOMER	
品 名	
PARTNAME	E1171S-DAK3-2020-K01
規格	
DESCRIPTION	
客戶料號	
CUSTOMER'S P.	ART NO.
日期	
DATE	2017-8-17

客戶承認 Customer Approved by 供应商經辨 Supplier Handle by

*承認後請回簽一份 Please sign back after approval. THANKS!





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		DE0001071		D. T. T.	Projected view		机种	E1171S
M□.	DESCRIPTION		DATE	TOL UNLESS OTHERWISE STATED		/ 6 1 1	L11/13	
DRAW	'N BY	CHECKED B	APPRO	VED BY	above 10~30 ±	0.5 ±1	品名	E1171S-DAK3-2020-K01
						±5°	图号	

1. 一般特性 1. General Characteristics 1.1 形状尺寸 1.1 Shape and dimensions In accordance with the outline an d 见附图 dimension drawing. 使用温度范围 1.2 1.2 Operating temperature range -10°C~+75°C -10°C ~ + 75°C 1.3 保存温度范围 1.3 Conserving temperature range $-20^{\circ}\text{C} \sim +85^{\circ}\text{C}$ $-20^{\circ}\text{C} \sim +85^{\circ}\text{C}$ 1.4 测试条件 1.4 Test conditions 常温 (温度 5~35℃) Ordinary temperature (5~35 常湿 (湿度 45~85%) Ordinary humidity (45~85 常压 (气压 86~106kPa) Ordinary atmospheric pressure (86~106xPa) 2. 机械特性 Mechanical Characteristics Measuring condition Specifications Item 项目 测试条件 规格 Total rotation angle Angle of effective rotation 360° Rotation 全回转角度 有效回转角度 operation Encoder rotation torque Measure (Encoder 2.2 the slip-off 回转力矩 $30\sim200$ gf.cm block) torque of the detent. 测试脱离定位点时的力矩 回转操作 2.3 Each detent angle Rotation angle per detent 18°±3°(20detent points) 每定位旋转角度 (20 个定位点) 每定位角度 Single pole and single circuit 2.4 Switch and number of pulse throw 开关电路、接点数 单极单掷(推"通") 2.5 Operating force of switch 300~900gf 开关按压动作力 2.6 Push-pull strength ≥8kgf 轴推拉强度 3. Encoder electrical characteristic s 3. 电气特性 Measuring condition Item Specifications 项目 测试条件 规格 Rating of voltage and current between COM and Rating 3.1 D.C5V 10mA A (COM and B). 额定值 C端和A端 (C端和B端)间额定电压和电流 Rotate the knob at a speed of 60r/min, to CWA.B.2signals.(different Output 3.2 signal and CCW. phase) A.B 2 个(不同脉冲) 输出信号 以 60r/min 的速度正、反向分别旋转 The shaft shall be rotated at a constant speed $T1,T3 \ge 3.5$ ms 3.3 Phase difference (for those not having detents). 以一稳定速度旋转轴(不带定位时) 相位差 A: A-C 端之间 □N □FF \square \bowtie B: B-C 端之

SHEET 2 OF 3

	T.	10.0	SHEEL Z OF 3	
	Item	Measuring condition	Specifications	
	<u> 项目 </u>	测试条件	规格	
3.4	Output	_	20 pulses/360°	
	resolution 分解能力		20 脉冲/360°	
	ノノ 州午日とノノ	计算每周脉冲数		
3.5		Measure the contact resistance between COM		
	Contact	and A.COM and B.		
	resistance	测试C和A、C和B 之间的接触电阻。		
	between	Instrument: 1kHz 20mV 5~50mA Micro current	1Ω max	
	terminals	contact.		
	端阻			
		仪器: 1kHz 20mV 5~50mA 微电流接触。		
3.6	Chattering	Measurement shall be done under the measuring	t1.t3≤3ms	
		circuit in Fig by rotating the shaft at a speed of		
		360° per second. Chattering is specified by the		
	滑动噪声	signal's passage time from 3.5 to 1.5V or from		
	,,,,,,,	1.5 to 3.5 V of each switching position(code		
		$OFF \rightarrow ON \text{ or } ON \rightarrow OFF)$		
		DC5V		
		\$10KΩ \$10KΩ 0FF		
		3.5		
		 		
		 		
		按照如图的测试电路测试,以 360°/秒的速度		
		转动转轴。		
3.7	Insulation	Measure to Apply D.C300V. (Between terminal for reinforcing and the other terminals)	$100 \mathrm{M}\Omega$ min.	
5.7	resistance	tor remnorcing and the other terminals)	TOOMISE IIIIII.	
	绝缘电阻	D.C300V 测试(在塑胶与接线端之间)		
2 0				
3.8	Withstand	Apply A.C300V for 1min. (Between terminal for	No damage. Arc and	
		reinforcing and the other terminals)	dielectric breakdown.	
	耐电压	A C200X1 公陆(左祖坛上这件进之词)	无损伤、电弧和电故障	
2.0		A. C300VI 分钟(往塑胶与接线编之间)	. = ,	
3.9	Switch rating	Resistance load	D C101/50 A	
	开关功率		D.C12V50mA	
2.1.2		电阻负荷		
3.10	Contact	Voltage step-down test at D.C5V 10mA	$200 \mathrm{m}\Omega$ max	
	resistance	在 D C5V 10m A 下测完	小于 200mΩ	
	开关接触电阻	- 2.05 , 10HL MAC	1 1 70011175	
4. E	ndurance	4. 耐久特性		

SHEET 3 OF 3 Measuring condition Item Specifications 项目 测试条件 规格 Temperature · · · · · 85±3℃ Heat Item 2.2 3.2 4.1 resistance Time $\cdots \cdots 240 \pm 10$ hours 3.3 3.6 The same as the After that, leave in ordinary temp and humidity 耐热特性 initial spec. for 1.5 hour. Then measure. 同初始规格 温度 · · · · · · · 85±3℃ Item $3.5:100\Omega$ max 时间………240 ±10 小时 然后放置在常温和湿度下 1.5 小时再测试。 Temperature $\cdots \cdots 40\pm 2^{\circ}$ Moisture 4.2 The same as above. resistance Humidity 90~95%Rh 同上 Time 240±10 hours 耐湿特性 After that, leave in ordinary temp and humidity for 1.5 hour. Then measure. 温度 · · · · · · · 40±2℃ 湿度……… 90~95%Rh 时间……… 240±10 小时 然后放置在常温和湿度下 1.5 小时再测试。 Temperature \cdots $-40\pm3^{\circ}$ C 4.3 Low The same as above. temperature Time 同上 240±10 hours resistance After that, leave in ordinary temp and humidity 耐寒特性 for 1.5 hour. Then measure. 温度 …… -40±3℃ 时间……… 240±10 小时 然后放置在常温和湿度下 1.5 小时再测试。 The shaft of encoder shall be rotated to 30,000 振荡: T1, T3≥3.5mS 4.4 Encoder rotation life cycles at a speed of 600-1000/h without electrical 卡点出脱力矩减少: load, after which measurements shall be made. 旋转寿命 $10\% \sim 30\%$ Chattering T1, T3≥ 在无负荷条件下轴以 600-1000/h 速度旋转 3.5mS 30,000周。 Decent torque: -10% ~ 30% Switch life Push-pull 50,000cycies 4.5 开关寿命 按压轴 50,000 次

设计:	审核	:	批准
		日期:	