

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>	
	VOLTAGE	200 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %	
	CURRENT	2 A	STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>	
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.			×	×
<b>ELECTRIC CHARACTERISTICS</b>					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).		15 mΩ MAX.	×	
INSULATION RESISTANCE	500 V DC.		1000 MΩ MIN.	×	
VOLTAGE PROOF	650 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	×	
<b>MECHANICAL CHARACTERISTICS</b>					
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.		①CONTACT RESISTANCE: 20 mΩ MAX. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTION.		①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	
SHOCK	490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			×	
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.		①CONTACT RESISTANCE: 20 mΩ MAX. ②INSULATION RESISTANCE: 1000 MΩ MIN.	×	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-55→+15~+35→+85→+15~+35°C TIME 30 → 5 MAX → 30 → 5 MAX min UNDER 5 CYCLES.		③NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		①CONTACT RESISTANCE: 20 mΩ MAX. ②NO HEAVY CORROSION.	×	
HYDROGEN SULPHIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)			×	
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING :250 °C MAX, 220 °C MIN, FOR 60 s 2) SOLDERING IRON 360 °C, FOR 5 s		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245 ± 3 °C FOR IMMERSION DURATION, 3 s.(MIL-STD-202)		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSSED.	×	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	①				
REMARK ① TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ② THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.			APPROVED	HS.OKAWA	05.07.23
			CHECKED	HS.OZAWA	05.07.23
			DESIGNED	TH.NODA	05.07.23
Unless otherwise specified, refer to MIL-STD-1344.			DRAWN	AK.SUZUKAWA	05.07.23
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-082599-21
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	A3-*PA-2SV (71)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.		① 1/1