

APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾		STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾	
	VOLTAGE	200 V AC		OPERATING HUMIDITY RANGE	40 % TO 80 %	
	CURRENT	2 A		STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾	
SPECIFICATIONS						
ITEM	TEST METHOD			REQUIREMENTS	QT	AT
CONSTRUCTION						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.				×	×
ELECTRIC CHARACTERISTICS						
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.	×	
MECHANICAL CHARACTERISTICS						
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 ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.					
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h.			①CONTACT RESISTANCE: 20 mΩ MAX. ②INSULATION RESISTANCE: 1000 MΩ MIN. ③NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-55 → +15 ~ +35 → +85 → +15 ~ +35 °C TIME 30 → 5 MAX → 30 → 5 MAX min UNDER 5 CYCLES.					
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)					
COUNT	DESCRIPTION OF REVISIONS			DESIGNED	CHECKED	DATE
△						
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
HRS	SPECIFICATION SHEET			PART NO.	A3-*PA-2SV (71)	
	HIROSE ELECTRIC CO., LTD.			CODE NO.		△ 1/1