

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.	×		
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 IMMersed.	×	
	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
	SPECIFICATION SHEET		PART NO.	A3-*PA-2SV (71)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.		1/1