

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△							△				
△							△				

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
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**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 <sup>2</sup> , 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	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	
	2) SOLDERING IRON 360 °C, FOR 5 s		×	
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.	×	

REMARKS 1)TEMPERATURE RISE INCLUDED WHEN ENERGIZED. 2)THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.	DRAWN T.NODA '05.03.31	DESIGNED <i>K. Doi</i> '05.03.31	CHECKED <i>K. Ogawa</i> '05.03.31	APPROVED <i>H. Okawa</i> 05.03.31	RELEASED
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Unless otherwise specified, refer to MIL-STD-1344.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

<b>HRS</b> HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. A3A-**PA-2SV(71)
CODE NO.(OLD) CL	DRAWING NO. ELC4 - 082601-21	CODE NO. CL 621

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