

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 ⁽¹⁾			STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾					
	VOLTAGE	125 V AC			OPERATING HUMIDITY RANGE	40 % TO 80 %					
	CURRENT	0.5 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).			40 mΩ MAX.			×			
INSULATION RESISTANCE		250 V DC.			1000 MΩ MIN.			×			
VOLTAGE PROOF		300 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			×			
MECHANICAL CHARACTERISTICS											
MECHANICAL OPERATION		100 TIMES INSERTIONS AND EXTRACTIONS.			①CONTACT RESISTANCE: 50 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: 50 mΩ MAX. ②INSULATION RESISTANCE: 1000 MΩ MIN.			×			
RAPID CHANGE OF TEMPERATURE		TEMP. -55 → +15 ~ +35 → +85 → +15 ~ +35 °C TIME 30 → 10 ~ 15 → 30 → 10 ~ 15 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: 50 mΩ MAX. ②NO HEAVY CORROSION.			×			
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA-39)						×			
RESISTANCE TO SOLDERING HEAT		1)SOLDER TEMPERATURE, 260±5°C FOR IMMERSION, DURATION, 10±1s. 2) SOLDERING IRONS : 350°C FOR 3 s MAX			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			×			
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245 ± 3 °C, FOR IMMERSION DURATION, 2 s.			A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSSED.			×			
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 04.12.11		DESIGNED H. Doi '04.12.11		CHECKED H. Okawa '04.12.11		APPROVED H. Okawa '04.12.11	
Unless otherwise specified, refer to MIL-STD-1344.										RELEASED	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test											
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET				PART NO. A3E-44PA-2DSA(71)			
CODE NO.(OLD) CL		DRAWING NO. ELC4 - 082336-21			CODE NO. CL 621-0911-8-71					1 1	



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