





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.	x	x	
MARKING	CONFIRMED VISUALLY.		x	x	
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	15 mΩ MAX.	x		
INSULATION RESISTANCE	500 V DC	1000 MΩ MIN.	x		
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	x		
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.	①CONTACT RESISTANCE: 20 mΩ MAX. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x		
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x		
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		x		
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.	x		
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-55→+5~+35→+85→+5~+35°C TIME 30 → MAX 5 → 30 → MAX 5 min. UNDER 5 CYCLES.	③NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x		
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	①CONTACT RESISTANCE: 20 mΩ MAX. ②NO HEAVY CORROSION.	x		
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA - 39)		x		
RESISTANCE TO SOLDERING HEAT 	1) SOLDER BATH: SOLDER TEMPERATURE, 260±5°C FOR IMMERSION, DURATION, 5±1s. 2) SOLDERING IRONS : 350°C FOR 3 s MAX.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	x		
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245±3°C,  FOR IMMERSION DURATION, 2±0.5 s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	x		
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	2	DIS-F-005316	HK. SUNADORI	HT. YAMAGUCHI	11. 02. 25
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. 13
			CHECKED	HS. OZAWA	05. 07. 13
Unless otherwise specified, refer to MIL-STD-1344.			DESIGNED	TK. YANAGISAWA	05. 07. 12
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWN	TK. YANAGISAWA	05. 07. 12
			DRAWING NO.	ELC4-082570-03	
	SPECIFICATION SHEET		PART NO.	A3C-*P-2DSA	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL621	