

APPLICABLE STANDARD		SPECIFICATIONS			
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	1 A	STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>	
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					
CONTACT INSERTION AND EXTRACTION FORCES	□ $0.5 \pm 0.002$ mm BY STEEL GAUGE.	INSERTION FORCE: 2.45 N MAX. EXTRACTION FORCE: 0.25 N MIN.			X -
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X -
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, 2 h IN 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X -
SHOCK	490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.				X -
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 20 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN.			X -
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-65→+15~+35→+125→+15~+35°C TIME 30 → 10~15 → 30 → 10~15 min. UNDER 5 CYCLES.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X -
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO 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, 10±1s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			X -
	2) SOLDERING IRONS : 350°C FOR 3 s MAX.				X -
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 IMMERSED.			X -
REMARK <sup>(1)</sup> TEMPERATURE RISE INCLUDED WHEN ENERGIZED. <sup>(2)</sup> THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.		APPROVED	HS.OKAWA	05.11.30	
		CHECKED	HS.OZAWA	05.11.30	
		DESIGNED	KY.NAKAMURA	05.11.30	
Unless otherwise specified, refer to MIL-STD-1344.		DRAWN	SY.KAMIGA	05.11.29	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-081228-21	
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	A3C-6DA-2DSA (71)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL621-0502-9-71	△ 1/1