

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
APPLICATION STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C			STORAGE TEMPERATURE RANGE	--- °C TO --- °C			
	VOLTAGE	125V AC			OPERATING HUMIDITY RANGE	--- % TO --- %			
	CURRENT	0.5 A							
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENT			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING			X	X
MARKING		CONFIRMED VISUALLY						X	X
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz)			40 mΩ MAX.			X	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX, 1 mA (DC OR 1000 Hz)			40 mΩ MAX.			X	—
INSULATION RESISTANCE		250 V DC			1000 MΩ MIN.			X	—
VOLTAGE PROOF		300 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN			X	—
MECHANICAL CHARACTERISTICS									
CONTACT INSERTION AND EXTRACTION FORCES		□0.5±0.002 BY STEEL GAUGE.			INSERTION FORCE: 2.94 N MAX. EXTRACTION FORCE: 0.29 N MIN.			X	—
MECHANICAL OPERATION		100 TIMES INSERTION AND EXTRACTIONS.			1) CONTACT RESISTANCE: 50 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	—
VIBRATION		FREQUENCY: 10 TO 55 Hz, AMPLITUDE: 1.52 mm AT 2 h FOR 3 DIRECTIONS.			1) NO ELECTRICAL DISCONTINUITY OF 1 μs 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			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.			1) CONTACT RESISTANCE: 50 mΩ MAX. 2) INSULATION RESISTANCE:			X	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→+5~+35→+85→+5~+35°C TIME 30→MAX 5→30→MAX 5 min. UNDER 5 CYCLES.			1000 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			1) CONTACT RESISTANCE: 50 mΩ MAX. 2) NO HEAVY CORROSION.			X	—
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38)						X	—
REMARKS									
				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				<i>K. Hiriyama</i> 00.08.30	<i>T. Hirayama</i> 00.09.02	<i>H. Okawa</i> 00.09.04	<i>T. Yoshimura</i> 00.09.04		
UNLESS OTHERWISE SPECIFIED, REFER TO MIL-STD-1344									
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. A3EA-44D-2R		
CODE NO.(OLD)		DRAWING NO.		CODE NO.				1	
CL		ELC4-082335		CL 621 - 0861 - 1				1	

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