

COUNT		REVISIONS	BY	CHKD	DATE	COUNT		REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD											
RATING	VOLTAGE	CONTACT NO. 1 ~ 44	AC 125 V DC V				APPLICABLE CABLES	AWG28			
	CURRENT	CONTACT NO. 1 ~ 44	0.5A				OPERATING TEMPERATURE RANGE	-55 °C ~ +85 °C			
	POWER										
	SPECIALTY										
SPECIFICATIONS											
No.	ITEM	CONDITIONS				TEST STANDARD	MIN	MAX	UNITS	QT	AT
1	DESIGN-MATERIAL-FINISH	ADC 3 Applicable Std. and <del>DC</del> - 84455					-	-	-	○	○
2	MARKING						-	-	-	○	○
3	INSULATION RESISTANCE	Must be over standard value at DC 250V.				MIL-STD -1344	1000	-	MΩ	○	
4	CONTACT RESISTANCE CONTACT	The voltage drop must be under the Std. value at DC 0.1 A.				MIL-STD -1344	-	40	mΩ	○	
	CONTACT	The voltage drop must be under the Std. value at DC A.					-		mΩ		
5	DIELECTRIC WITHSTANDING VOLTAGE	Must keep the AC <del>DC</del> 300 V for one minute.				MIL-STD -1344	-	-	-	○	
6	LOW LEVEL CIRCUIT	The Contact Resistance must be under the Std. value at DC 20 mV less and 1 mA.				MIL-STD -1344	-	40	mΩ	○	
7	DRY CIRCUIT	Must have conductivity in alternate current at DC μV.					-	-	-		
8	CONTACT ENGAGEMENT AND SEPARATION FORCES	Must be suitable for the Std. value at applicable gauge.		gauge size □0.510.002		-	2.94	N	○		
	MATING AND UNMATING FORCES	Must be suitable for the Std. value.		MATING UNMATING		-	-	N			
9	HUMIDITY	Insulation resistance must be over the Std. value at 40±2°C, 90~95%, 96 hours.		at high humidity	MIL-STD -1344	1000	-	MΩ	○	-	
				after high humidity			-	MΩ			
10	VIBRATION	Must have no damage, crack and looseness of parts at Frequency range 10 ~ 55 Hz, Total amplitude 1.52 mm. - m/s <sup>2</sup> at 2 hours for 3 directions.				MIL-STD -1344	-	-	-	○	-
11	SHOCK	Must have no damage, crack and looseness of parts 490 m/s <sup>2</sup> at 3 times for 3 directions.				MIL-STD -1344	-	-	-	○	-
12	TEMPERATURE CYCLING	Must have no damage, crack and looseness of parts for -55 ~ +85 °C, 5 cycles, total 5 hours.				MIL-STD -1344	-	-	-	○	-
13	DURABILITY CONTACT	Must be less than the Std. value after 100 times insertion and extraction at the condition described in above item No.4.				MIL-STD -1344	-	50	mΩ	○	-
							-		mΩ		-
14	SALT SPRAY (CORROSION)	Must not have heavy corrosion after 5 % salt water spray for 48 hours.				MIL-STD -1344	-	-	-	○	-
15	H <sub>2</sub> S-EXPOSURE	Must not have heavy corrosion after 3 ppm for 96 hours.				JEIDA-38	-	-	-	○	-
16	SO <sub>2</sub> -EXPOSURE	Must not have heavy corrosion after ppm for hours.					-	-	-		-
REMARKS											
TO		APPROVED	J. Fukimura	92.5.8	HRS HIROSE ELECTRIC CO., LTD.			ISSUED BY			
		REVIEWED									
		CHECKED	M. Kobayashi	92.5.8							
		DESIGNED	J. Matsumura	92.5.8							
		DRAWN	J. Matsumura	92.5.8							
DRAWING No.		SLC4 - 84455 - SPECIFICATION SHEET				PART No.		A3E-44D-2R			
						CODE No.		CL621-0811-3			