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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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	1 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).		15 mΩ MAX.		×	-
INSULATION RESISTANCE	500 V DC		1000 MΩ MIN.		×	-
VOLTAGE PROOF	650 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		×	-
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES	□0.5±0.002mm BY STEEL GAUGE.		INSERTION FORCE: 2.45 N MAX. EXTRACTION FORCE: 0.25 N MIN.		×	-
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.		①CONTACT RESISTANCE: 20 mΩ MAX. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	-
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, 2h IN 3 DIRECTIONS.		①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	-
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.				×	-
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.		×	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-65→+15~+35→+125→+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: 20 mΩ MAX. ②NO HEAVY CORROSION.		×	-
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA - 39)				×	-
RESISTANCE TO SOLDERING HEAT	1) SOLDER BATH: 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 IMMersed.		×	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
⚠						
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	05.11.30	
			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	
HRS	SPECIFICATION SHEET		PART NO.	A3C-6DA-2DSA (71)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL621-0502-9-71		⚠ 1/1