



In case of consideration for using Autom otive equ pm ent./device which dem and high reliability, kindly contactour sales w indow correspondents.

APPLICABLE STANDARD				STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾														
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾		OPERATING HUMIDITY RANGE	40 % TO 80 %.														
	VOLTAGE	200 V AC		STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾														
CURRENT	1 A																		
SPECIFICATIONS																			
ITEM	TEST METHOD		REQUIREMENTS		QT AT														
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.															
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±0.002mm BY STEEL GAUGE.	INSERTION FORCE: EXTRACTION FORCE:		2.45 N MAX. 0.25 N MIN.	x														
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 2h 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. ③NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			x														
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: 65 → +15 ~ +35 → +125 → +15 ~ +35 °C TIME 30 → 10 ~ 15 → 30 → 10 ~ 15 min. UNDER 5 CYCLES.				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, 10 ± 1 s. 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 s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD.			x														
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE															
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>REMARK ⁽¹⁾ TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ⁽²⁾ THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.</p> <p>Unless otherwise specified, refer to MIL-STD-1344.</p> <p>Note QT: Qualification Test AT: Assurance Test X: Applicable Test</p> </div> <div style="width: 15%; text-align: center;"> <table border="1"> <tr> <td>APPROVED</td> <td>HS. OKAWA</td> <td>10.08.06</td> </tr> <tr> <td>CHECKED</td> <td>HT. YAMAGUCHI</td> <td>10.08.06</td> </tr> <tr> <td>DESIGNED</td> <td>SY. KAMI GA</td> <td>10.08.05</td> </tr> <tr> <td>DRAWN</td> <td>HK. SUWADORI</td> <td>10.08.05</td> </tr> </table> </div> <div style="width: 40%; text-align: center;"> <table border="1"> <tr> <td>DRAWING NO.</td> <td>ELC4-081244-21</td> </tr> </table> </div> </div>						APPROVED	HS. OKAWA	10.08.06	CHECKED	HT. YAMAGUCHI	10.08.06	DESIGNED	SY. KAMI GA	10.08.05	DRAWN	HK. SUWADORI	10.08.05	DRAWING NO.	ELC4-081244-21
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		SPECIFICATION SHEET		PART NO.	A3C-14DA-2DSC (71)														
		HIROSE ELECTRIC CO., LTD.		CODE NO.	CL621-0536-0-71	 1/1													