

APPLICABLE STANDARD		SPECIFICATIONS				
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⁾		
CONSTRUCTION						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MARKING	CONFIRMED VISUALLY.			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	15 mΩ MAX.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
INSULATION RESISTANCE	500 V DC	1000 MΩ MIN.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES	□ 0.5 ± 0.002 mm BY STEEL GAUGE.	INSERTION FORCE: 2.45 N MAX. EXTRACTION FORCE: 0.24 N MIN.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-55→+15~+35→+85→+15~+35°C TIME 30 → 5 MAX → 30 → 5 MAX min. UNDER 5 CYCLES.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO HEAVY CORROSION.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA - 39)			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING :250 °C MAX, 220 °C MIN, FOR 60 s	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	2) SOLDERING IRON :360 °C, FOR 5 s			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245±3°C, FOR IMMERSION DURATION, 3 s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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	06.05.10
				CHECKED	HS. OZAWA	06.05.10
				DESIGNED	KY. NAKAMURA	06.05.10
Unless otherwise specified, refer to MIL-STD-1344.				DRAWN	AK. SUZUKAWA	06.04.18
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-082603-21	
	SPECIFICATION SHEET		PART NO.	A3-*DA-2SV (71)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL621		1/1