

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		3 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.			x	x
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									
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 15 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			x	—
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5mm, AT 2 h FOR 3 DIRECTIONS.						x	—
SHOCK		490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			x	—
ENVIRONMENTAL CHARACTERISTICS									
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.			① CONTACT RESISTANCE: 15 mΩ MAX. ② INSULATION RESISTANCE:1000 MΩ MIN. ③ NO 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.			① CONTACT RESISTANCE: 15 mΩ MAX. ② NO HEAVY CORROSION.			x	—
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA 38)						x	—
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			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			x	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245±3°C, FOR IMMERSION DURATION, 2 s.						x	—
	COUNT	DESCRIPTION OF REVISIONS			DESIGNED		CHECKED		DATE
0									
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	08. 02. 20		
					CHECKED	HS. OZAWA	08. 02. 20		
					DESIGNED	SY. KAMIGA	08. 02. 20		
					DRAWN	HK. SUNADORI	08. 02. 19		
Unless otherwise specified, refer to MIL-STD-202.									
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					DRAWING NO.		ELC4-018168-21		
HRS		SPECIFICATION SHEET			PART NO.		A2-5PA-2. 54DS (71)		
		HIROSE ELECTRIC CO., LTD.			CODE NO.		CL620-0005-8-71		
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