

APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C		
	VOLTAGE	300 V AC	OPERATING HUMIDITY RANGE	85%MAX (NON-CONDENSING)		
	CURRENT	2 A	STORAGE HUMIDITY RANGE			
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).		20 mΩ MAX.	X	—
INSULATION RESISTANCE		100 V DC.		10 ⁶ MΩ MIN.	X	—
VOLTAGE PROOF		1000 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X	—
MECHANICAL CHARACTERISTICS						
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s ² FOR 2 h, IN 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms FOR 3 TIME IN 3 DIRECTION.			X	—
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.		1) CONTACT RESISTANCE: 20 mΩ MAX. 2) INSULATION RESISTANCE:	X	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -65→15 TO 35→+125→15 TO 35°C TIME 30→ MAX5 → 30 →MAX5min. UNDER 5 CYCLES.		10 ⁶ MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO HEAVY CORROSION.	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△						
REMARK				APPROVED	HS. OKAWA	12. 06. 11
				CHECKED	HT. YAMAGUCHI	12. 06. 11
				DESIGNED	KJ. NISHIWAKI	12. 06. 11
				DRAWN	GR. TAKESHIMA	12. 06. 11
Unless otherwise specified, refer to MIL-STD-1344.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-019798-01	
HRS	SPECIFICATION SHEET		PART NO.	PCN12A-44P-2. 54DS (71)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL583-2014-4-71		△ 1/1