

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
Δ						
REMARK				APPROVED	HS. OKAWA	12. 06. 11
				CHECKED	HT. YAMAGUCHI	12. 06. 11
				DESIGNED	KJ. NISHIWAKI	12. 06. 11
Unless otherwise specified, refer to MIL-STD-1344.				DRAWN	GR. TAKESHIMA	12. 06. 11
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-019798-01	
		SPECIFICATION SHEET	PART NO.	PCN12A-44P-2. 54DS (71)		
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL583-2014-4-71		Δ 1/1