

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△	4	RE-E-08257	K.H	A.S	△				
△					△				
APPLICABLE STANDARD		TIA/EIA-568-B.2 CATEGORY5e △							
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO 60 °C			STORAGE TEMPERATURE RANGE	-25 °C TO 60 °C △			
	VOLTAGE	125 V AC			CURRENT	1 A △			
SPECIFICATIONS									
ITEM		TEST METHOD				REQUIREMENTS		QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.		○	○
MARKING		CONFIRMED VISUALLY.						○	○
ELECTRIC CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS				230 mΩ MAX.		○	○
		100 mm PLUG MODULAR CABLE (SOLID-METAL OR STRANDED WIRE) RECEPTACLE TEST POINT (ONE EXAMPLE OF CONNECTOR CONFIGURATION IS SHOWN.)							
INSULATION RESISTANCE		100 V DC.				100 MΩ MIN.		○	○
VOLTAGE PROOF		500 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.		○	○
NEAR END CROSSTALK(NEXT)LOSS		MEASURED MINIMUM NEXT LOSS FOR EACH PAIR COMBINATION AT 100 Hz				43 dB MIN. △		○	—
MECHANICAL CHARACTERISTICS									
MECHANICAL OPERATION		200 TIMES INSERTIONS AND EXTRACTIONS.				① CONTACT RESISTANCE: 250 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		○	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s ² AT 2 h, FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 5 μs. ② CONTACT RESISTANCE: 250 mΩ MAX.		○	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.				③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		○	—
ENVIRONMENTAL CHARACTERISTICS									
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90 TO 95 %, 500 h.				① CONTACT RESISTANCE: 250 mΩ MAX. ② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 10 MΩ MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		○	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55±3 →5 TO 35→85±2 → 5 TO 35°C TIME 30 TO 35→5 MAX→30 TO 35 →5 MAX min UNDER 5 CYCLES.				① CONTACT RESISTANCE: 250 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		○	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.				① CONTACT RESISTANCE: 250 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		○	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
					S.Sato 00.08.01	S.Sato 00.08.01	T.Watanabe 00.08.01	H.Miwa 00.08.02	
Unless otherwise specified, refer to JIS C 5402.									
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET				
CODE NO.(OLD)					PART NO. TM21P - 88P (31)				
DRAWING NO. ELC4 - 121484 - 05					CODE NO. CL 222 - 2862 - 9 - 31				