

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

TO
Q2

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
3	RE-E-08257	K.H	A.S	6/11/22					

APPLICABLE STANDARD TIA/EIA-568-B.2 CATEGORY 5E Δ

RATING	OPERATING TEMPERATURE RANGE	-25 °C TO 60 °C	STORAGE TEMPERATURE RANGE	-25 °C TO 60 °C
VOLTAGE	125 V AC		CURRENT	1 A Δ

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
------	-------------	--------------	----	----

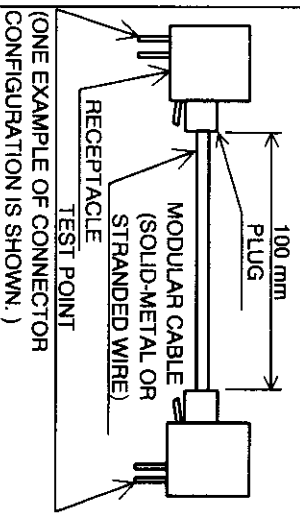
CONSTRUCTION

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.



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. Δ

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 ① NO ELECTRICAL DISCONTINUITY OF AMPLITUDE 0.75 mm, — m/s² AT 2 h, FOR 3 DIRECTIONS. 5 μs. ② CONTACT RESISTANCE: 250 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.

SHOCK 490 m/s² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION. 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.

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. 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 S.Sato 00.07.03 DESIGNED S.Sato 00.07.03 CHECKED T.Watanabe 00.07.03 APPROVED H.Miwa 00.07.03 RELEASED

Unless otherwise specified, refer to JIS C 5402.

Note QT:Qualification Test AT:Assurance Test O:Applicable Test

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	TM21P - 88P
	CODE NO.(OLD)	DRAWING NO.	ELC4 - 121484 - 04
		CODE NO.	CL 222 - 2862 - 9 - 「」
			FORM No.231-1