

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
4	RE-E-08257	K.H	A.S	6/11/23					

APPLICABLE STANDARD TIA/EIA-568-B.2 CATEGORY5e  $\Delta$

RATING OPERATING TEMPERATURE RANGE -25 °C TO 60 °C STORAGE TEMPERATURE RANGE -25 °C TO 60 °C  $\Delta$

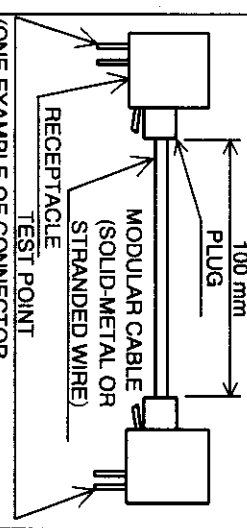
VOLTAGE 125 V AC CURRENT 1 A  $\Delta$

ITEM TEST METHOD REQUIREMENTS Q1 AT

CONSTRUCTION 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 m $\Omega$  MAX.



INSULATION RESISTANCE 100 V DC. 100 M $\Omega$  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.  $\Delta$

MECHANICAL CHARACTERISTICS MECHANICAL OPERATION 200 TIMES INSERTIONS AND EXTRACTATIONS.

VIBRATION FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm,  $\text{---}$  m/s<sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.

SHOCK 490 m/s<sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.

ENVIRONMENTAL CHARACTERISTICS DAMP HEAT (STEADY STATE) EXPOSED AT 40 °C, 90 TO 95 %, 500 h.

① CONTACT RESISTANCE: 250 m $\Omega$  MAX. (AT HIGH HUMIDITY)

② INSULATION RESISTANCE: 1 M $\Omega$  MIN.

③ INSULATION RESISTANCE: 10 M $\Omega$  MIN. (AT DRY)

④ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.

RAPID CHANGE OF TEMPERATURE TEMPERATURE -55 $\pm$ 3  $\rightarrow$  -5 TO 35 $\rightarrow$ 85 $\pm$ 2  $\rightarrow$  5 TO 35°C.

① CONTACT RESISTANCE: 250 m $\Omega$  MAX.

② INSULATION RESISTANCE: 100 M $\Omega$  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 m $\Omega$  MAX.

② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.

REMARKS UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.

Note Q1: Qualification Test AT: Assurance Test  Applicable Test

**HRS** HIROSE ELECTRIC CO., LTD. SPECIFICATION SHEET PART NO. TM21P - 88P (31)

CODE NO.(OLD) DRAWING NO. ELC4 - 121484 - 05 CODE NO. CL 222 - 2862 - 9 - 31

DRAWN S. Sato 00.08.01 DESIGNED S. Sato 00.08.01 CHECKED T. Watanabe 00.08.01 APPROVED H. Miwa 00.08.02 RELEASED

FORM No.231-1

