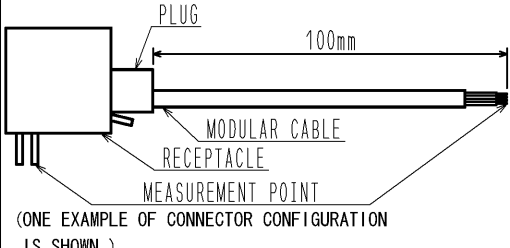


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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		ANSI/TIA/EIA-568-B. 2. 10 CAT6a			
RATING	OPERATING TEMPERATURE RANGE E	① -25 °C TO 60 °C	STORAGE TEMPERATURE RANGE	-25 °C TO 60 °C	
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	95 % MAX	
	CURRENT	1 A	APPLICABLE CABLE	AWG# 24 TO AWG# 27	
<b>SPECIFICATIONS</b>					
ITEM	TEST METHOD		REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.			X	X
<b>ELECTRIC CHARACTERISTICS</b>					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz AC).  (ONE EXAMPLE OF CONNECTOR CONFIGURATION IS SHOWN.)		50 mΩ MAX. (WITHOUT BULK RESISTANCE OF CABLE)	X	X
INSULATION RESISTANCE	100 V DC.		100 MΩ MIN.	X	X
VOLTAGE PROOF	500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X	X
<b>MECHANICAL CHARACTERISTICS</b>					
MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: 70 mΩ MAX. (WITHOUT BULK RESISTANCE OF CABLE) 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55Hz, SINGLE AMPLITUDE 0.75 mm, AT 2h, FOR 3 AXIAL DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) CONTACT RESISTANCE: 70 mΩ MAX. (WITHOUT BULK RESISTANCE OF CABLE)	X	—
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 BOTH AXIAL DIRECTIONS.		3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 500h.		1) CONTACT RESISTANCE: 70 mΩ MAX. (WITHOUT BULK RESISTANCE OF CABLE) 2) INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) 10MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: -55 → 15 TO 35 → 85 → 15 TO 35 °C TIME: 30 → 2 TO 3 → 30 → 2 TO 3 min. UNDER 5 CYCLES.		1) CONTACT RESISTANCE: 70 mΩ MAX. (WITHOUT BULK RESISTANCE OF CABLE) 2) INSULATION RESISTANCE: 100 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: 70 mΩ MAX. (WITHOUT BULK RESISTANCE OF CABLE) 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
① THE OPERATION TEMPERATURE INCLUDES THE TEMPERATURE RISE BY CURRENT CARRYING. ② TEMPERATURE RANGE FOR A CONNECTOR UNMATED. ③ USE UNDER THE CONDITION RECOMMENDED BY A CABLE MANUFACTURE.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
REMARK			APPROVED	NM. NISHIMATSU	14. 06. 26
			CHECKED	NM. NISHIMATSU	14. 06. 26
			DESIGNED	MT. ITANO	14. 06. 26
			DRAWN	MT. ITANO	14. 06. 26
Unless otherwise specified, refer to JIS C 5402.			DRAWING NO.		ELC4-126868-05
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	TM31P-TM-88P (61)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-4626-7-61	① 1/