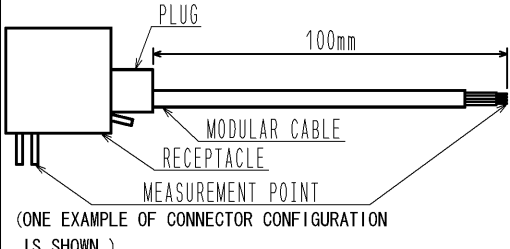


APPLICABLE STANDARD		ANSI/TIA/EIA-568-B. 2. 10 CAT6a		
RATING	OPERATING TEMPERATURE RANGE E	① -25 °C TO 60 °C	STORAGE TEMPERATURE RANGE	-25 °C TO 60 °C
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	95 % MAX
	CURRENT	1 A	APPLICABLE CABLE	AWG# 24 TO AWG# 27

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 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

MECHANICAL CHARACTERISTICS				
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 ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 BOTH AXIAL DIRECTIONS.	3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—

ENVIRONMENTAL CHARACTERISTICS				
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.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-126868-05		
HRS	SPECIFICATION SHEET	PART NO.	TM31P-TM-88P (61)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL222-4626-7-61	△ 1/