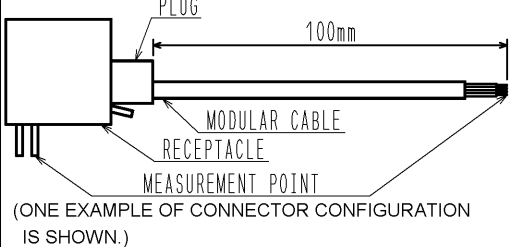


APPLICABLE STANDARD		ANSI/TIA/EIA-568-B.2.10 CAT6a					
RATING	OPERATING TEMPERATURE RANGE	① -25 °C TO 60 °C	STORAGE TEMPERATURE RANGE	-25 °C TO 60 °C			
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	95 % MAX			
	CURRENT	1 A	APPLICABLE CABLE	AWG# 24 ~ AWG# 27			
SPECIFICATIONS							
ITEM		TEST METHOD		REQUIREMENTS			
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).  (ONE EXAMPLE OF CONNECTOR CONFIGURATION IS SHOWN.)		50 mΩ MAX. (WITHOUT BULK RESISTANCE OF CABLE) ①			
INSULATION RESISTANCE		100 V DC.		100 MΩ MIN.			
VOLTAGE PROOF		500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.			
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION		200 TIMES INSERTIONS AND EXTRACTIONS. ①		1)CONTACT RESISTANCE: 70 mΩ MAX. (WITHOUT BULK RESISTANCE OF CABLE) 2)NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			
VIBRATION		FREQUENCY 10 TO 55Hz, SINGLE AMPLITUDE 0.75 mm, AT 2h, FOR 3 DIRECTIONS. ①		1)NO ELECTRICAL DISCONTINUITY OF 1 μs. 2)CONTACT RESISTANCE: 70 mΩ MAX. (WITHOUT BULK RESISTANCE OF CABLE)			
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS. ①		3)NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90 TO 95 %, 500h. ①		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.			
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		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.			
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. ①		1)CONTACT RESISTANCE: 70 mΩ MAX. (WITHOUT BULK RESISTANCE OF CABLE) 2)NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			
① ①THE OPERATION TEMPERATURE INCLUDES THE TEMPERATURE RISE BY CURRENT CARRYING. ②TEMPERATURE RANGE FOR A CONNECTOR UNMATED. ③USE UNDER THE CONDITION RECOMMENDED BY A CABLE MANUFACTURE.							
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
△	6	DIS-E-004367	SG. CHAMURA	EJ. WAKATSUKI	12. 09. 24		
REMARK			APPROVED	YH. ENAMI	09. 06. 02		
			CHECKED	YH. ENAMI	09. 06. 02		
			DESIGNED	MT. ITANO	09. 06. 02		
			DRAWN	MT. ITANO	09. 06. 02		
Unless otherwise specified, refer to JIS C 5402.							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-126868-01		
HRS	SPECIFICATION SHEET		PART NO.	TM31P-TM-88P (01)			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-4626-7-01	△ 1/1		