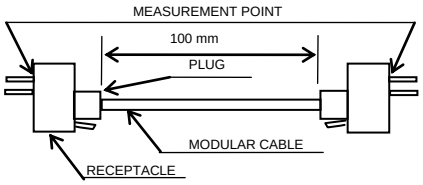
APPLICABLE STANDARD		1 TIA/EIA-568-A CAT5		
RATING	OPERATING TEMPERATURE RANGE	⚠1 -55 °C TO 85 °C	OPERATING TEMPERATURE RANGE	2 -25 °C TO 60 °C
	VOLTAGE	125 V AC	VOLTAGE	95 % MAX
	CURRENT	1 A	CURRENT	—

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 MAX (DC OR 1000 Hz).  (ONE EXAMPLE CONNECTOR CONFIGURTION IS SHOWN.)	230 mΩ MAX.	X	X
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	X	X
VOLTAGE PROOF (CONTACT TO CONTACT)	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X
VOLTAGE PROOF (CONTACT TO SHIELD)	1500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—
NEAR END CROSSTALK (NEXT) LOSS	MEASURED MINIMUM NEXT LOSS FOR EACH. PAIR COMBINATION AT 100 Hz	43 dB MIN	X	—
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 250 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, - m/s^2 AT 2 HOURS FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 5μs. ② CONTACT RESISTANCE: 250 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s^2 DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—
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) 10 MΩ MIN. (AT DRY) ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE –55±3→5 TO 35→85±2→5 TO 35 ℃ TIME 30 → 5MAX→ 30 →5MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 250 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PART	X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 250 mΩ MAX. ② NO HEAVY CORROSION.	X	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 ± 5 ℃ FOR IMMERSION, DURATION 5 ± 1 S.	NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245 ± 5 ℃ FOR IMMERSION, DURATION 2 ± 0.5 S.	MIN. 95 % OF SOLDER IMMERSED AREA SHALL BE COVERED NEW SOLDER COATING.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠1	1	DIS-E-00002148	SH. KOYAMA	TU. TANIGUCHI	20190305

REMARK
1 APPLICABLE PLUG CONNECTOR:TM21P-88P.
2 STORAGE TEMPERATURE RANGE SHOWS STORAGE CONDITION FOR UNUSED PRODUCTS INCLUDING PACKING MATERIALS.
FOLLOW THE OPERATING TEMPERATURE RANGE FOR STORAGE CONDITION AFTER MOUNTING.
Unless otherwise specified, refer to JIS C 5402.

APPROVED	RI. TAKAYASU	20120514
CHECKED	KI. NAGANUMA	20120514
DESIGNED	SG. CHAMURA	20120511
DRAWN	SG. CHAMURA	20120511

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

DRAWING NO. ELC4-122100-01

HRS	SPECIFICATION SHEET	PART NO.	TM21R-5B-3232D-LP(50)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL222-2879-1-50 ⚠1	1/1

FORM HD0011-2-1