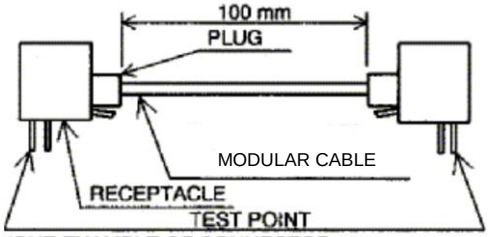
APPLICABLE STANDARD		TIA/EIA-568-B.2 CATEGORY5e		
RATING	OPERATING TEMPERATURE RANGE	−25 °C TO 60 °C	STORAGE TEMPERATURE RANGE	−25 °C TO 60 °C
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	95 % MAX.
	CURRENT	1 A	APPLICABLE WIRE	AWG#24 STRANDED WIRE φ0.5mm SOLID WIRE

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). MEASUREMENT POINTS SHALL BE AS FOLLOWS.  (ONE EXAMPLE OF CONNECTOR CONFIGURATION IS SHOWN.)	230 mΩ MAX.	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
NEAR END CROSSTALK(NEXT)LOSS	MEASURED MINIMUM NEXT LOSS FOR EACH PAIR COMBINATION AT 100 MHz.	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 5min./CYCLE, 10 TIMES.	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 DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT,CYCLIC	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→ 5 TO 35 →85→ 5 TO 35 °C TIME 30 → 5 → 30 → 5 min. UNDER 5 CYCLES.	1) CONTACT RESISTANCE: 250 mΩ MAX. 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: 250 mΩ MAX. 2) NO HEAVY CORROSION.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
②	1	DIS-E-00002932	KIM JAEHYEON	TU. TANIGUCHI	20200403

REMARK

Unless otherwise specified, refer to IEC 60512. ②

APPROVED	YH. ENAMI	20090119
CHECKED	HO. MIWA	20090119
DESIGNED	HN. ANDO	20090117
DRAWN	HN. ANDO	20090117

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

DRAWING NO. ELC-122165-03-02

HRS	SPECIFICATION SHEET	PART NO.	TM21CP-88P(03)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL222-2884-1-03 ②	1/1

FORM HD0011-2-1