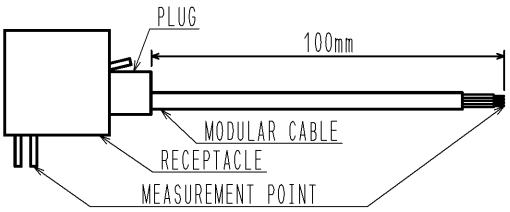
APPLICABLE STANDARD		1 TIA/EIA-568-A CAT5		
RATING	OPERATING TEMPERATURE RANGE	2 -25 °C TO 80 °C	STORAGE TEMPERATURE RANGE	3 -25 °C TO 60 °C
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	95 % MAX
	CURRENT	1 A	APPLICABLE CABLE	–

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 AC).  (AN EXAMPLE CONNECTOR CONFIGURATION IS SHOWN.)	50 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 (1,2-3,6) AT 100 MHz.	40 dB MIN.	X	—
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE : 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, 1 OCTABE / min, 3 AXIAL DIRECTIONS, 10 CYCLES EACH.	1) NO ELECTRICAL DISCONTINUITY OF 5 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.		X	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT,CYCLIC	EXPOSED AT 40 °C, 90 TO 95 % , 500 h	1) CONTACT RESISTANCE : 70 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 → 15 TO 35 → 85±2 → 15 TO 35 °C TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES.	1) CONTACT RESISTANCE : 70 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 : 70 mΩ MAX. 2)NO HEAVY CORROSION.	X	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 ± 5 °C FOR IMMERSION, DURATION 5 ± 1 S.	NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245 ±5 °C FOR IMMERSION, DURATION MAX 3 S.	MIN. 95 % OF SOLDER IMMERSED AREA SHALL BE COVERED NEW SOLDER COATING.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
A0					

REMARK
1 APPLICABLE PLUG CONNECTOR:TM21P-88P.
2 THE OPERATION TEMPERATURE INCLUDES THE TEMPERATURE RISE BY CURRENT CARRYING.
3 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

APPROVED	EJ.WAKATSUKI	13.10.28
CHECKED	EJ.WAKATSUKI	13.10.28
DESIGNED	MT.ITANO	13.10.25
DRAWN	MT.ITANO	13.10.25

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

DRAWING NO. ELC4-123343-03

HRS	SPECIFICATION SHEET	PART NO.	TM11R-5M2-88(01)
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL222-2906-2-01 A0 1/1

FORM HD0011-2-1