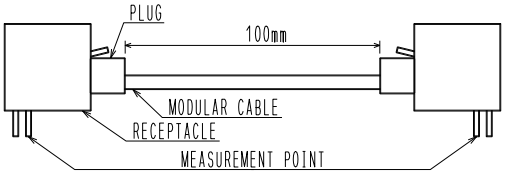
APPLICABLE STANDARD		EIA / TIA TSB 40 CAT5		
RATING	OPERATING TEMPERATURE RANGE	1 -55 °C TO +85 °C⚠1	STORAGE TEMPERATURE RANGE	2 -25 °C TO +60 °C
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	95 % MAX
	CURRENT	0.5 A	APPLICABLE CABLE	—

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 OF CONNECTORCONFIGURATION IS SHOW.)	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
NEAR END CROSSTALK (NEXT) LOSS	MEASURED MINIMUM NEXT LOSS FOR EACH PAIR COMBINATION AT 100 MHz.	40 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, 5 min/CYCLE AT 10 CYCLES.	1) NO ELECTRICAL DISCONTINUITY OF 5 μs. 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 6 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 ± 3 → 5 TO 35 → 85 ± 2 → 5 TO 35 °C TIME 30 TO 35 → 5 MAX → 30 TO 35 → 5 MAX 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	—
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 3 S MAX.	MIN. 95 % OF SOLDER IMMERSED AREA SHALL BE COVERED NEW SOLDER COATING.	X	—

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

REMARK
1 THE OPERATION TEMPERATURE INCLUDES THE RYSE BY CURRENT CARRYING.
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 IEC 60512. ⚠1

APPROVED	RI. TAKAYASU	20110531
CHECKED	YH. ENAMI	20110531
DESIGNED	MT. ITANO	20110531
DRAWN	MT. ITANO	20110531

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

DRAWING NO. ELC-121543-50-01

HRS	SPECIFICATION SHEET	PART NO.	TM11R-5N2-88(50)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL222-3952-5-50	⚠ 1/1

FORM HD0011-2-1