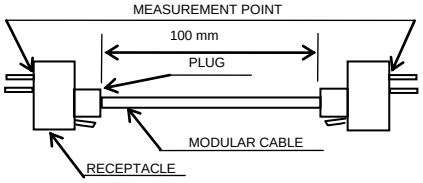
APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	−55°C TO +85°C △2	STORAGE TEMPERATURE RANGE	−25°C TO +60°C
	VOLTAGE	125 V AC	CURRENT	0.5 A

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.)	200 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
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 220 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: 220 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 (STEADY STATE)	EXPOSED AT +40°C, 90～95 %, 500 h	1) CONTACT RESISTANCE: 220 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 → 5～35→ 85±2 → 5～35 ℃ TIME 30～35 → 5MAX → 30～35 →5MAX min UNDER 5 CYCLES.	1) CONTACT RESISTANCE: 220 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: 220 mΩ MAX. 2) NO HEAVY CORROSION.	X	–
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 ± 5 ℃ FOR IMMERSION, DURATION 10 ± 1 S. (FLOW)	NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	X	–
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245 ± 2 ℃ FOR IMMERSION, DURATION 3 ± 1 S.	MIN. 95% OF SOLDER IMMERSED AREA SHALL BE COVERED NEW SOLDER COATING.	X	–

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△2	2	DIS-E-00002730	TS. ITO	TU. TANIGUCHI	20191202

REMARK

Unless otherwise specified, refer to IEC 60512. △2

APPROVED	HO. MIWA	20070201
CHECKED	SJ. SHIMIZU	20070201
DESIGNED	TS. ITO	20070201
DRAWN	TS. ITO	20070201

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

DRAWING NO. ELC-026378-50-02

HRS	SPECIFICATION SHEET	PART NO.	TM5RJ2-66(50)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL222-1461-2-50 △2	1/1

FORM HD0011-2-1