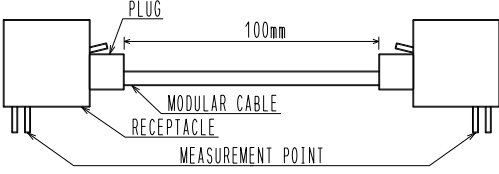



APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	NOTE1 -55 °C TO +85 °C	STORAGE TEMPERATURE RANGE	NOTE2 -25 °C TO +60 °C	
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	95 % MAX	
	CURRENT	500 mA	APPLICABLE CABLE	—	
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL 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 CONNECTOR CONFIGURATION 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, AT 2 HOURS FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 5 μs. ② CONTACT RESISTANCE : 220 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK		490 m/s <sup>2</sup> DURATION 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 : 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 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 : 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 °C FOR IMMERSION, DURATION 10 ± 1 S.	NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245 ± 2 °C FOR IMMERSION, DURATION 3 ± 1 S.	MIN. 95 % OF SOLDER IMMersed AREA SHALL BE COVERED NEW SOLDER COATING.	X	—
NOTE1 THE OPERATION TEMPERATURE INCLUDES THE RYSE BY CURRENT CARRYING.					
NOTE2 STORAGE TEMPERATURE RANGE SHOWS STORAGE CONDITION FOR UNUSED PRODUCTS INCLUDING PACKING MATERIALS. FOLLOW THE OPERATING TEMPERATURE RANGE FOR STORAGE CONDITION AFTER MOUNTING.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK			APPROVED	MN. KENJO	20211126
			CHECKED	KG. OKITA	20211125
			DESIGNED	MO. SHIMOYAMA	20211125
			DRAWN	NK. OOSHIMA	20211124
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-022410-60-00	
	SPECIFICATION SHEET		PART NO.	TM2RE-2424 (60)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0222-0751-7-60	△ 1/1

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