

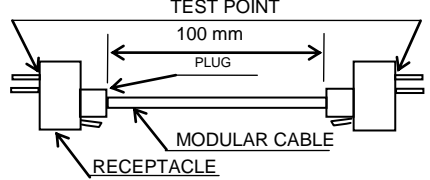



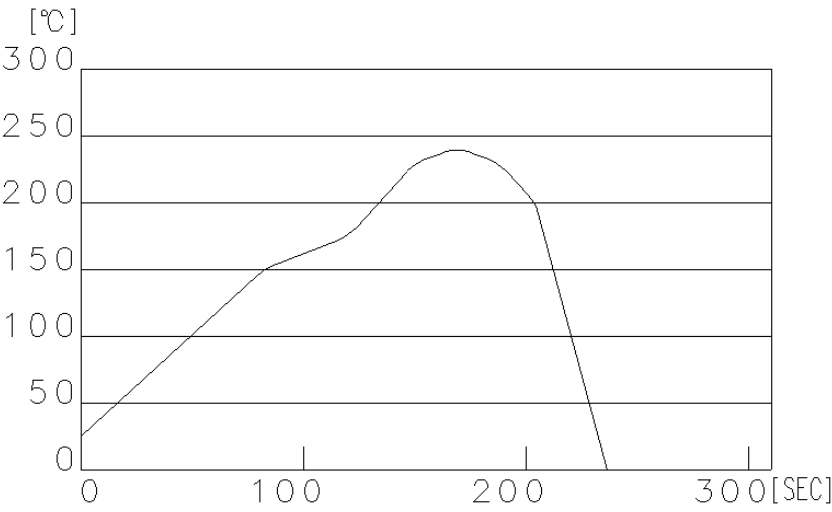



APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C 		STORAGE TEMPERATURE RANGE	-25 °C TO 60 °C 	
	VOLTAGE	AC 125 V		CURRENT	0.5 A	
SPECIFICATIONS						
ITEM	TEST METHOD			REQUIREMENTS	QT AT	
CONSTRUCTION						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.	<input type="radio"/> <input type="radio"/>	
MARKING	CONFIRMED VISUALLY.				<input type="radio"/> <input type="radio"/>	
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE	100 mA DC (OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS. 			230 mΩ MAX.	<input type="radio"/> <input type="radio"/>	
INSULATION RESISTANCE	100 V DC.			100 MΩ MIN.	<input type="radio"/> <input type="radio"/>	
VOLTAGE PROOF	500 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.	<input type="radio"/> <input type="radio"/>	
MECHANICAL CHARACTERISTICS						
MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.			1) CONTACT RESISTANCE: 250 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	<input type="radio"/> -	
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, - m/s <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.			1) NO ELECTRICAL DISCONTINUITY OF 5μs. 2) CONTACT RESISTANCE: 250 mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	<input type="radio"/> -	
SHOCK	490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				<input type="radio"/> -	
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.	<input type="radio"/> -	
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 min MAX UNDER 5 CYCLES.			1) CONTACT RESISTANCE: 250 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART	<input type="radio"/> -	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			1) CONTACT RESISTANCE: 250 mΩ MAX. 2) NO HEAVY CORROSION.	<input type="radio"/> -	
RESISTANCE TO SOLDERING IRON HEAT	SOLDERING IRON TEMPERATURE, 350 ± 10°C SOLDERING TEMPERATURE 4 s MAX.					
COUNT	DESCRIPTION OF REVISIONS			DESIGNED	CHECKED	DATE
 2	DIS-E-00002217			TS. ITO	TU. TANIGUCHI	20190425
REMARK				APPROVED	HO. MIWA	20060117
				CHECKED	YH. ENAMI	20060117
				DESIGNED	TU. TANIGUCHI	20060117
				DRAWN	MT. ITANO	20060117
Unless otherwise specified, refer to JIS C 5402.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-122138-01
	SPECIFICATION SHEET			PART NO.	TM18R-T0-88 (50)	
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL222-2883-9-50	 1/2

REFLOW CONDITION



TEMPERATURE RANGE	TIME
150 TO 180	60 SEC
200 MIN	55 SEC
220MIN	40 SEC
230MIN	30 SEC
235 MIN	20 SEC
240	MOMENT

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	SPECIFICATION SHEET		PART NO.	TM18R-T0-88 (50)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-2883-9-50	 2/2