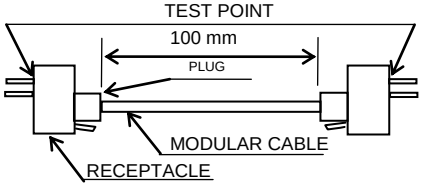
APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	−55 °C TO 85 °C △1	STORAGE TEMPERATURE RANGE	−25 °C TO 60 °C △1
	VOLTAGE	AC 125 V	CURENT	0.5 A

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○	○
MARKING	CONFIRMED VISUALLY.		○	○
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA DC (OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS.  (ONE EXAMPLE CONNECTOR CONFIGURTION IS SHOWN.)	230 mΩ MAX.	○	○
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	○	○
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○	○
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 250 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	–
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, - m/s^2 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.	○	–
SHOCK	490 m/s^2 DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		○	–
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.	○	–
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −55±3 → 5 TO 35 → 85±2 → 5 TO 35 ℃ 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	○	–
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	1) CONTACT RESISTANCE: 250 mΩ MAX. 2) NO HEAVY CORROSION.	○	–
RESISTANCE TO SOLDERING IRON HEAT	SOLDERRING IRON TEMPERATURE, 350 ± 10℃ SOLDERRING TEMPERATURE 4 s MAX.			

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△1	2	DIS-E-00002217	TS. ITO	TU. TANIGUCHI	20190425

REMARK

Unless otherwise specified, refer to JIS C 5402.

APPROVED	HO. MIWA	20060117
CHECKED	YH. ENAMI	20060117
DESIGNED	TU. TANIGUCHI	20060117
DRAWN	MT. ITANO	20060117

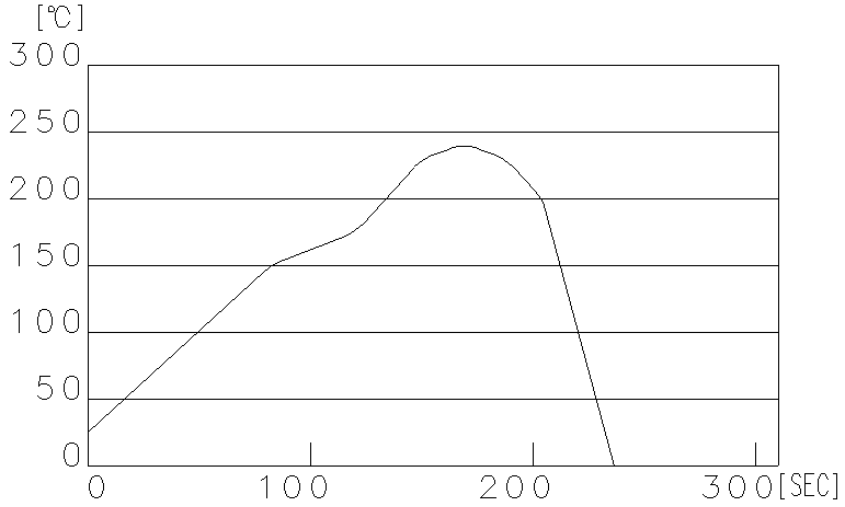
Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-122138-01

HRS	SPECIFICATION SHEET	PART NO.	TM18R-TO-88(50)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL222-2883-9-50 △1	1/2

FORM HD0011-2-1

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