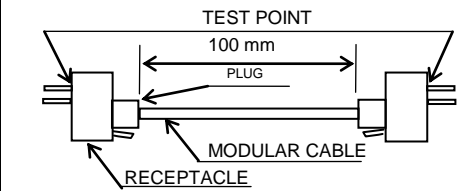
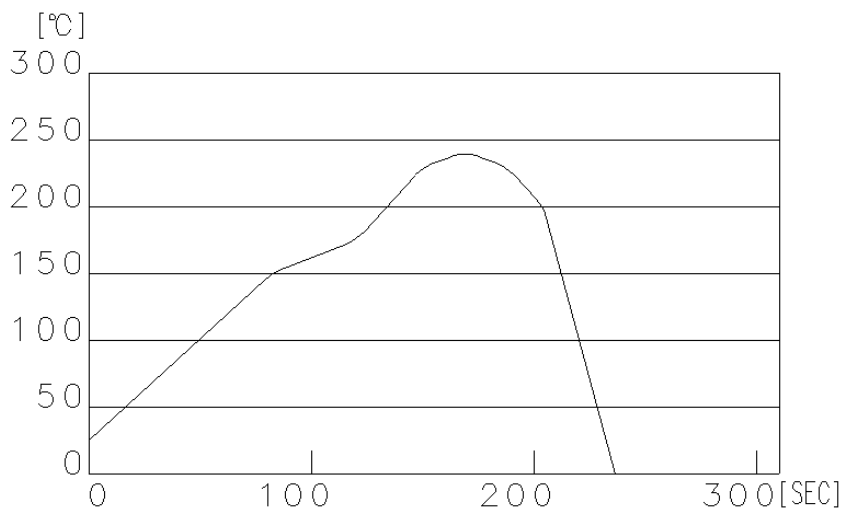


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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	$\triangle 1$	STORAGE TEMPERATURE RANGE	-25 °C TO 60 °C $\triangle 1$
	VOLTAGE	AC 125 V		CURRENT	0.5 A
<b>SPECIFICATIONS</b>					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
<b>CONSTRUCTION</b>					
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"/>	
<b>ELECTRIC CHARACTERISTICS</b>					
CONTACT RESISTANCE	100 mA DC (OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS.  (ONE EXAMPLE CONNECTOR CONFIGURATION IS SHOWN.)	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"/>	
<b>MECHANICAL CHARACTERISTICS</b>					
MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 250 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	<input type="radio"/>	<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"/>	<input type="radio"/>	-
SHOCK	490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		<input type="radio"/>	<input type="radio"/>	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
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"/>	<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"/>	<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"/>	<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	
Unless otherwise specified, refer to JIS C 5402.		DRAWN	MT. ITANO	20060117	
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-122138-01		
<b>HRS</b>	SPECIFICATION SHEET	PART NO.	TM18R-T0-88 (50)		
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL222-2883-9-50	$\triangle 1$	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

Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-122138-01	
SPECIFICATION SHEET HIROSE ELECTRIC CO., LTD.		PART NO.		TM18R-T0-88 (50)	
		CODE NO.		CL222-2883-9-50	△ 2/2