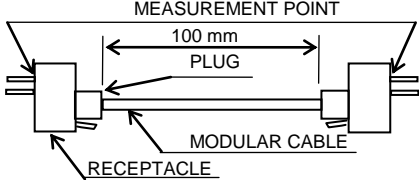


APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	① -55 °C TO +85°C △1		STORAGE TEMPERATURE RANGE	- 25°C TO +60 °C	
	VOLTAGE	125 V AC		CURRENT	500 mA	
SPECIFICATIONS						
ITEM	TEST METHOD			REQUIREMENTS	QT AT	
CONSTRUCTION						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.	X X	
MARKING	CONFIRMED VISUALLY.				X X	
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).  (ONE EXAMPLE 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 10 CYCLES.			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 ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				X —	
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT,CYCLIC	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 °C 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 °C 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 °C FOR IMMERSION, DURATION 3 ± 1 S.			MIN. 95 % OF SOLDER IMMersed AREA SHALL BE COVERED NEW SOLDER COATING.	X —	
① THE PRODUCT PERFORMANCE IS GUARANTEED ONLY IN THE TEMPERATURE ADEQUATE TO PEOPLE'S ACTIVITIES. ② THE OPERATION TEMPERATURE INCLUDES THE RISE BY CURRENT CARRYING.						
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△	2	DIS-E-00002716	TS. ITO	TU. TANIGUCHI	20191127	
REMARK				APPROVED	YH. ENAMI	20090316
				CHECKED	HO. MIWA	20090316
				DESIGNED	YH. MAMADA	20090316
				DRAWN	YH. MAMADA	20090316
Unless otherwise specified, refer to IEC 60512. △1						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-023898-50-01	
HRS	SPECIFICATION SHEET		PART NO.	TM5RJ1-66 (50)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-1245-7-50	△ 1/1	