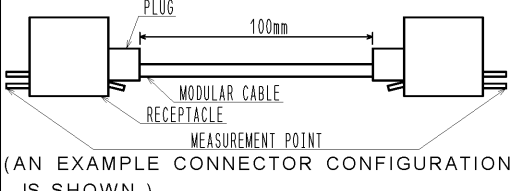


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In case that the application demands a high level of reliability, such as automotive, please contact a company representative for further information.

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	① $-25\text{ }^{\circ}\text{C TO }+80\text{ }^{\circ}\text{C}$	STORAGE TEMPERATURE RANGE	$-25\text{ }^{\circ}\text{C TO }+60\text{ }^{\circ}\text{C}$	
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	95 % MAX	
	CURRENT	500 mA	APPLICABLE CABLE	—	
<b>SPECIFICATIONS</b>					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X	
MARKING	CONFIRMED VISUALLY.		X	X	
<b>ELECTRIC CHARACTERISTICS</b>					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz AC).  (AN EXAMPLE 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	
<b>MECHANICAL CHARACTERISTICS</b>					
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 <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—	
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
DAMP HEAT, CYCLIC	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 $-55\pm 3 \rightarrow 5\text{ TO }35 \rightarrow 85\pm 2 \rightarrow 5\text{ TO }35\text{ }^{\circ}\text{C}$ TIME 30 TO 35 → 5 MAX → 30 TO 35 → 5 MAX MIN. UNDER 5 CYCLES.	① INSULATION RESISTANCE : 100 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PART	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, $260\pm 5\text{ }^{\circ}\text{C}$ FOR IMMERSION, DURATION $10\pm 1\text{ S}$ .	NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—	
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, $245\pm 2\text{ }^{\circ}\text{C}$ FOR IMMERSION, DURATION $3\pm 1\text{ S}$ .	MIN. 95 % OF SOLDER IMMERSED AREA SHALL BE COVERED NEW SOLDER COATING.	X	—	
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△					
REMARK	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		APPROVED	YH. ENAMI	10.02.24
①			CHECKED	HO. MIWA	10.02.24
			DESIGNED	HN. ANDO	10.02.23
			DRAWN	HN. ANDO	10.02.23
Unless otherwise specified, refer to JIS C 5402.					
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELG4-023182-01		
HRS	SPECIFICATION SHEET	PART NO.	TM5RJ-66 (50)		
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL222-1092-8-50	△ 1/1	