

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD

RATING	OPERATING TEMPERATURE RANGE	-25 °C TO 60 °C		STORAGE TEMPERATURE RANGE	— °C TO — °C	
	VOLTAGE	125 V AC (TM)	10.5 V DC (PWJ)	CURRENT	0.5 A DC (TM)	2 A DC (PWJ)

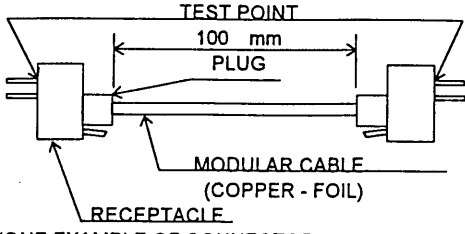
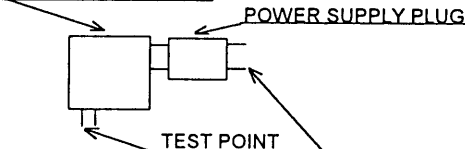
SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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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. T M  (ONE EXAMPLE OF CONNECTOR CONFIGURATION IS SHOWN.)	200 mΩ MAX.	○	—
	100 mA DC (OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS. P W J 	30 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	T M 200 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 220 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
	P W J 200 TIMES INSERTIONS AND EXTRACTIONS. (EIAJ RC - 5320-8)	① CONTACT RESISTANCE: 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 1.5 mm, — m/s ² AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF — μs. ② CONTACT RESISTANCE: — mΩ MAX.	○	—
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.	③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
CONTACT INSERTION AND EXTRACTION FORCES (PWJ CONTACT)	OUTER DIAMETER: 4.8±0.06 INNER DIAMETER: 1.75±0.06 (EIAJ RC - 5320-8)	INSERTION FORCE 5 N MIN TO 20 N MAX EXTRACTION FORCE 4 N MIN TO 15 N MAX	○	—

REMARKS

8/16/04 (8)		製 図	組 装	検 査	査 閲	承 認	出 庫
Unless otherwise specified, refer to JIS C 5402.		技術 2.6.15 鈴木	技術 2.6.15 鈴木	2.6.15 田中	2.6.15 田中	2.6.15 田中	HRS 8.10.01 USA

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

HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. TM5RT1 – 1204PWJ	
CODE NO.(OLD) CL		DRAWING NO. ELC4 – 4 3 1 8 3		CODE NO. 222- 3 5 3 9 – 9	
				1/2	

SPECIFICATIONS																	
ITEM	TEST METHOD	REQUIREMENTS	QT	AT													
ENVIRONMENTAL CHARACTERISTICS																	
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 TO 95 %, 500 h.	① CONTACT RESISTANCE: $\leq 10 \Omega$ MAX. ② INSULATION RESISTANCE: 1 M Ω MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 10 M Ω MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—													
RAPID CHANGE OF TEMPERATURE	TEMPERATURE $-55 \pm 3 \rightarrow 5$ TO $35 \rightarrow 85 \pm 2$ $\rightarrow 5$ TO 35°C TIME 30 TO 35 $\rightarrow$ 5 MAX $\rightarrow$ 30 TO 35 $\rightarrow$ 5 MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: $\leq 10 \Omega$ MAX. ② INSULATION RESISTANCE: $\geq 10 \Omega$ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—													
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: $\leq 10 \Omega$ MAX. ② NO DAMAGE, CRACK AND LOOSENESS,	○	—													
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, $260 \pm 5^\circ\text{C}$ FOR IMMERSION, DURATION, 5 ± 1 s. (WHEN USING FLOW SOLDER)	NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	○	—													
DIP CONDITION	PRE-HEAT SOLDER TEMPERATURE: $90^\circ\text{C} \sim 130^\circ\text{C}$ IMMERSION TIME 3 ± 0.5 sec. SOLDER TEMPERATURE: $230^\circ\text{C} \pm 5^\circ\text{C}$ (WHEN USING FLOW SOLDER)	NO DEFORMATION IN APPEARANCE OR SOLDERLESS ON CONTACT SURFACE ETC.	○	—													
REMARKS																	
8/16/04 (長) Unless otherwise specified, refer to JIS C 5402. <table border="1"> <tr> <td>製 図</td> <td>組 当</td> <td>検 査</td> <td>査 閲</td> <td>承 認</td> <td>出 図</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						製 図	組 当	検 査	査 閲	承 認	出 図						
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HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. TM5RT1 - 1204PWJ													
CODE NO.(OLD) CL	DRAWING NO. ELC4 - 43183	CODE NO. 222-3539-9	2 / 2														

