

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
	VOLTAGE	TM	125 V AC		CURRENT
		PWJ	10.5 V DC		TM
				PWJ	2 A

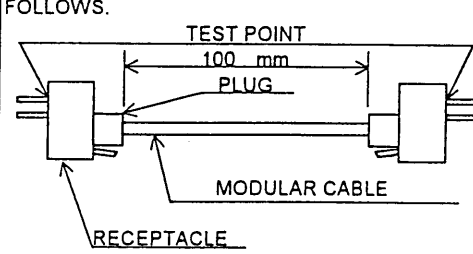
**SPECIFICATIONS**

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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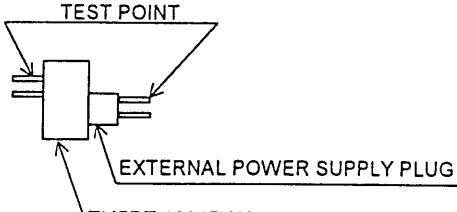
**CONSTRUCTION**

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	<input type="checkbox"/>	<input type="checkbox"/>
MARKING	CONFIRMED VISUALLY.		<input type="checkbox"/>	<input type="checkbox"/>

**ELECTRIC CHARACTERISTICS**

CONTACT RESISTANCE (TM)	100 mA (DC OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS.  RECEPTACLE (ONE EXAMPLE OF CONNECTOR CONFIGURATION IS SHOWN.)	200 mΩ MAX.	<input type="checkbox"/>	-
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**FOR REFERENCE ONLY**  
**Subject to change without notice**

CONTACT RESISTANCE (PWJ)	100 mA (DC OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS.  EXTERNAL POWER SUPPLY PLUG TM5RT-1204PWJ (ONE EXAMPLE OF CONNECTOR CONFIGURATION IS SHOWN.)	30 mΩ MAX.	<input type="checkbox"/>	-
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INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	<input type="checkbox"/>	-
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	<input type="checkbox"/>	<input type="checkbox"/>

**MECHANICAL CHARACTERISTICS**

MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE TM : 220 mΩ MAX. PWJ : 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="checkbox"/>	-
CONTACT INSERTION AND EXTRACTION FORCES (PWJ)	OUTSIDE DIAMETER $\phi 4.8 \pm 0.06$ BY STEEL GAUGE. INSIDE DIAMETER $\phi 1.75 \pm 0.06$	INSERTION FORCE 20 N MAX. 5 N MIN. EXTRACTION FORCE 15 N MAX. 4 N MIN.	<input type="checkbox"/>	-

REMARKS

製図	追記	検図	査一図	承認	出図
技術 2.6.1 鈴木	2.6.1 鈴木	2.6.4 田中	2.6.4 田中	2.6.4 中沢	HRS 4.16.01 USA

Unless otherwise specified, refer to JIS C 5402.

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

<b>HRS</b> HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. TM5RT-1204PWJ
CODE NO.(OLD) CL	DRAWING NO. ELC4-043053	CODE NO. CL222-3536-0-
		1/2

# SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE 1.5 mm, — m/s <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF — μs. ② CONTACT RESISTANCE	○	—
SHOCK	490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	TM: — mΩ MAX. PWJ: — mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—

## ENVIRONMENTAL CHARACTERISTICS

DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 TO 95 %, 500 h.	① CONTACT RESISTANCE TM: — mΩ MAX. PWJ: — mΩ MAX. ② INSULATION RESISTANCE TM: 1 MΩ MIN. PWJ: — MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE TM: 10 MΩ MIN. PWJ: — MΩ MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE —55±3 → 5 TO 35 → 85±2 → 5 TO 35 °C TIME 30 → 5 MAX → 30 → 5 MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE TM: — mΩ MAX. PWJ: — mΩ MAX. ② INSULATION RESISTANCE: — MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE TM: — mΩ MAX. PWJ: — mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS,	○	—
DIP CONDITION	PREHEAT TEMPERATURE 90°C ~ 130°C SOLDER TEMPERATURE, 230±5 °C IMMERSION DURATION 3 ± 0.5 s.	NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	○	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260±5 °C FOR IMMERSION, DURATION, 5±1 s.	NO DEFORMATION IN APPEARANCE OR SOLDERLESS ON CONTACT SURFACE ETC.	○	—

[ TM---- MODULAR JACK PORTION  
PWJ----EXTERNAL POWER SUPPLY JACK PORTION ]

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Subject to change without notice

REMARKS

5/2/04 (高)

Unless otherwise specified, refer to JIS C 5402.

製 図	描 写	検 査	登 録	承認	出 図
技術 2.6.4 幹木	2.6.4	2.6.4 田中孝	2.5.4 三平秀	2.5.4 中沢	HRS 4.16.01 USA

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

<b>HRS</b> HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. TM5 RT-1204PWJ
CODE NO.(OLD) CL	DRAWING NO. ELC4-043053	CODE NO. CL222-3536-0- <span style="float: right;">2/2</span>

