

△	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	△	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					

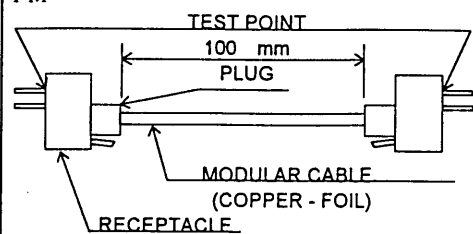
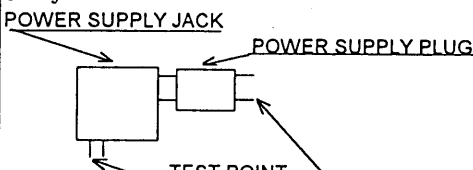
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO 60 °C				STORAGE TEMPERATURE RANGE	— °C TO — °C				
	VOLTAGE	125 V AC (TM)	10.5 V DC (PWJ)		CURRENT	0.5 A DC (TM)	2 A DC (PWJ)				

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. TM  (ONE EXAMPLE OF CONNECTOR CONFIGURATION IS SHOWN.)	200 mΩ MAX.	○	—
	100 mA DC (OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS. PWJ 	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	TM 200 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 220 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
	PWJ 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	製 図	組 当	検 査	査 閲	承 認	出 国
	Unless otherwise specified, refer to JIS C 5402.						

Note QT:Qualification Test AT:Assurance Test ○:Applicable Test		PART NO. TM5RT1 - 1204PWJ	
CODE NO.(OLD) CL	DRAWING NO. ELC4 - 43183	CODE NO. 222-3539-9	1/2

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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 $m\Omega$ MAX. ② INSULATION RESISTANCE: 1 $M\Omega$ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 10 $M\Omega$ 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 $35^{\circ}C$ TIME 30 TO $35 \rightarrow 5$ MAX $\rightarrow 30$ TO $35 \rightarrow 5$ MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: \leq $m\Omega$ MAX. ② INSULATION RESISTANCE: \rightarrow $M\Omega$ 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 $m\Omega$ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, $260 \pm 5^{\circ}C$ 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: $90^{\circ}C \sim 130^{\circ}C$ IMMERSION TIME 3 ± 0.5 sec. SOLDER TEMPERATURE: $230^{\circ}C \pm 5^{\circ}C$ (WHEN USING FLOW SOLDER)	NO DEFORMATION IN APPEARANCE OR SOLDERLESS ON CONTACT SURFACE ETC.	○	—
REMARKS				

REMARKS

製 図	担 当	検 査	査 閲	承 認	出 国

8/16/04 (長)

Unless otherwise specified, refer to JIS C 5402.

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 - 43183	CODE NO. 222-3539-9
		2/2

