

△	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)				

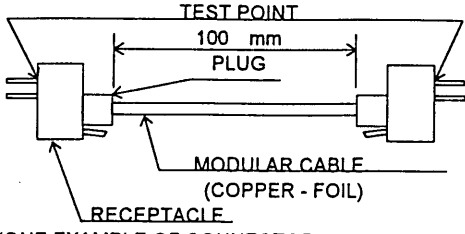
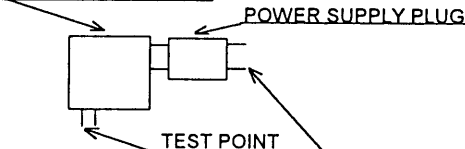
SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION

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

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.	<input type="radio"/>	<input type="checkbox"/>
	100 mA DC (OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS. P W J POWER SUPPLY JACK 	3 0 mΩ MAX.	<input type="radio"/>	<input type="checkbox"/>
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	<input type="radio"/>	<input type="checkbox"/>
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	<input type="radio"/>	<input type="radio"/>

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.	<input type="radio"/>	<input type="checkbox"/>
	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.	<input type="radio"/>	<input type="checkbox"/>
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.	<input type="radio"/>	<input type="checkbox"/>
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.	③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="checkbox"/>
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	<input type="radio"/>	<input type="checkbox"/>

REMARKS

8/16/04
Unless otherwise specified, refer to JIS C 5402.

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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
		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 $m\Omega$ 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 $m\Omega$ MAX. ② INSULATION RESISTANCE: \rightarrow M Ω 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,	○	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 \pm 5 °C FOR IMMERSION, DURATION, 5 \pm 1 s. (WHEN USING FLOW SOLDER)	NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	○	—
DIP CONDITION	PRE-HEAT SOLDER TEMPERATURE: 90°C ~ 130°C IMMERSION TIME 3 \pm 0.5 sec. SOLDER TEMPERATURE: 230°C \pm 5°C (WHEN USING FLOW SOLDER)	NO DEFORMATION IN APPEARANCE OR SOLDERLESS ON CONTACT SURFACE ETC.	○	—
REMARKS				

REMARKS

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8/16/04 (長)

Unless otherwise specified, refer to JIS C 5402.

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CODE NO.(OLD) CL	DRAWING NO. ELC4 - 43183	CODE NO. 222-3539-9
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