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

APPLICABLE STANDARD

RATING	OPERATING TEMPERATURE RANGE	−55°C TO +85°C(90%RH MAX)	STORAGE TEMPERATURE RANGE	−55°C TO +85°C(90%RH MAX)
	POWER	−w	CHARACTERISTIC IMPEDANCE	50Ω (0 TO 6 GHz)
	PECULIARITY	———	APPLICABLE CABLE	———

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○	○
MARKING	CONFIRMED VISUALLY.		—	—
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).	CENTER CONTACT 14 mΩ MAX.	○	○
		OUTER CONTACT 9 mΩ MAX.	○	○
INSULATION RESISTANCE	500 V DC.	500 MΩ MIN.	○	○
VOLTAGE PROOF	500 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	○	○
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 6 GHz.	VSWR 1.2 MAX.	○	—
INSERTION LOSS	FREQUENCY TO GHz	dB MAX.	—	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	[HRM] $\phi 0.91\ ^{+0.005}_{0}$ BY STEEL GAUGE.	INSERTION FORCE N MAX.	—	—
		EXTRACTION FARCE 1.5 NMIN	○	○
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. [MMCX]	INSERTION FORCE 15 N MAX.	○	—
		EXTRACTION FARCE 6 N ~ 15 N	○	○
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: CENTER CONTACT 28 mΩMAX.CHANGE OUTER CONTACT 18 mΩMAX.CHANGE ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
VIBRATION	FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 m/s^2 AT 12 CYCLES FOR 3 DIRECTIONS.(36 CYCLES)	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
SHOCK	735 m/s^2 DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.		○	—
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)	APPLYING A PULL FORCE THE CABLE AXIALLY AT N MAX.	① NO WITHDRAWAL AND BREAKAGE OF CABLE. ② NO BREAKAGE OF CLAMP.	—	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT,CYCLIC	EXPOSED AT +25 TO +65 °C, 90~96 % TOTAL 10 CYCLES (240 h)	① INSULATION RESISTANCE: 10 MΩ MIN. (AT HIGH HUMIDITY) ② INSULATION RESISTANCE: 500 MΩ MIN. (AT DRY) ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −55 → 20~35 → +85→20~35°C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	○	—

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to JIS C 5402.	R. Ninomiya 01·5·9	R. Ninomiya 01·5·9	J. Mitani 01·5·9	T. Kobayashi 01·05·09	

TO
RF

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

HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. HRMJ−MMCXP
CODE NO.(OLD)	DRAWING NO. ELC4−134344	PART NO. CL311−0313−4

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FORM No.231-1