APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	−10°C TO +85°C(90%RH MAX)	STORAGE TEMPERATURE RANGE	−10°C TO +85°C(90%RH MAX)
	POWER	——— W	CHARACTERISTIC IMPEDANCE	50Ω (0 TO ⚠12 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	mA MAX (DC OR 1000 Hz).	CENTER CONTACT mΩ MAX.	—	—
		OUTER CONTACT mΩ MAX.	—	—
INSULATION RESISTANCE	100 V DC	500 MΩ MIN.	×	—
VOLTAGE PROOF	250 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	×	—
VOLTAGE STANDING WAVE RATIO ⚠	FREQUENCY 0.045 TO 6 GHz.	VSWR 1．3 MAX.	×	—
	FREQUENCY 6 TO 10 GHz.	VSWR 1．4 MAX.		
	FREQUENCY 10 TO 12 GHz.	VSWR 1．6 MAX.		
INSERTION LOSS	FREQUENCY TO GHz.	dB MAX.	—	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	MEASURED BY STEEL GAUGE.	INSERTION FORCE N MAX.	—	—
		EXTRACTION FORCE N MIN.	—	—
INSERTION AND EXTRACTION FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE N MAX.	—	—
		EXTRACTION FORCE N MIN.	—	—
MECHANICAL OPERATION （W.FL2 SIDE）	10000 TIMES INSERTIONS AND EXTRACTIONS. (400−600 cycles per hour)	1) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
VIBRATION	FREQUENCY TO Hz SINGLE AMPLITUDE mm, m/s^2 AT CYCLES FOR DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—	—
SHOCK	m/s^2 DIRECTIONS OF PULSE ms AT TIMES FOR 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 TO °C, ～ % TOTAL CYCLES (h)	1) INSULATION RESISTANCE: MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE → → → °C TIME → → → min. UNDER CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	⚠ VSWR SPEC WITHIN STANDARD.	×	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠	3	DIS-D-00004690	NK.NINOMIYA	TS.NOBE	20200207

REMARK

Unless otherwise specified, refer to JIS C 5402.

APPROVED	TS.NOBE	20130422
CHECKED	NK.NINOMIYA	20130422
DESIGNED	YI.FUNADA	20130422
DRAWN	YI.FUNADA	20130422

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

DRAWING NO. ELC4-343733-00

HRS	SPECIFICATION SHEET	PART NO.	W.FL2P-ML51.J-PA(F)-ST	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL311-0457-4-00 ⚠1	1/1

FORM HD0011-2-1