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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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 Δ 12 GHz)		
	PECULIARITY	_____	APPLICABLE CABLE	_____		
SPECIFICATIONS						
ITEM	TEST METHOD		REQUIREMENTS		QT	AT
CONSTRUCTION						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X	X
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.		X	-
VOLTAGE PROOF	250 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.		X	-
VOLTAGE STANDING WAVE RATIO Δ	FREQUENCY 0.045 TO 6 GHz.		VSWR	1.3 MAX.	X	-
	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.		X	-
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.		Δ VSWR SPEC WITHIN STANDARD.		X	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
Δ	3	DIS-D-00004690	NK. NINOMIYA	TS. NOBE	20200207	
REMARK			APPROVED	TS. NOBE	20130422	
			CHECKED	NK. NINOMIYA	20130422	
			DESIGNED	YI. FUNADA	20130422	
Unless otherwise specified, refer to JIS C 5402.			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	Δ	1/1