

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +90°C (95%RH MAX)		STORAGE TEMPERATURE RANGE	-40°C TO +90°C (95%RH MAX)
	POWER	— W		CHARACTERISTIC IMPEDANCE	50 Ω ( 0 TO 6 GHz)
	PECULIARITY	WATERPROOF (CONNECTOR FLANGE PART)		APPLICABLE CABLE	RF-MF50141 : NISSEI ELECTRIC CO.,LTD. FWS5032 : KURABE CO.,LTD. DFS111-UL1979 : JUNKOSHA INC..
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		100 mA MAX (DC OR 1000 Hz).		CENTER CONTACT 4 mΩ MAX.	X X
				OUTER CONTACT 4 mΩ MAX.	X X
INSULATION RESISTANCE		100 V DC.		500 MΩ MIN.	X X
VOLTAGE PROOF		200 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.	X X
VOLTAGE STANDING WAVE RATIO		FREQUENCY 0.045 TO 6 GHz		VSWR 1.3 MAX.	X —
INSERTION LOSS		FREQUENCY — TO — GHz		— dB MAX.	— —
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES		φ0.91 <sup>+0.005</sup> / <sub>0</sub> BY STEEL GAUGE.		INSERTION FORCE — N MAX.	— —
				EXTRACTION FORCE 1.5 N MIN.	X X
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE — N MAX.	— —
				EXTRACTION FORCE — N MIN.	— —
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: CENTER CONTACT 6 mΩMAX. OUTER CONTACT 6 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X —
VIBRATION		FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 m/s <sup>2</sup> AT 10 CYCLES FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X —
SHOCK		490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			X —
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)		APPLYING A PULL FORCE THE CABLE AXIALLY AT 30 N MAX.		1) NO WITHDRAWAL AND BREAKAGE OF CABLE. 2) NO BREAKAGE OF CLAMP.	X —
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT,CYCLIC		EXPOSED AT +25 TO +65°C, 90 TO 98 % 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.	X —
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -40 → — → +90 → — °C TIME 30 → 3 → 30 → 3 min UNDER 5 CYCLES.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X —
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.	X —
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK			APPROVED	MH. YAMANE	11. 01. 17
RoHS COMPLIANT			CHECKED	TS. NOBE	11. 01. 17
Unless otherwise specified, refer to JIS C 5402.			DESIGNED	TS. KANEKO	11. 01. 12
			DRAWN	TS. KANEKO	11. 01. 12
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-335829-00
HRS	SPECIFICATION SHEET		PART NO.	HRM-200-088WBPJBN	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL323-0920-7-00	△ 1/1