

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	50Ω (0 TO 6 GHz)		
	PECULIARITY	—		APPLICABLE CABLE	FWS5032 : KURABE CO.,LTD. DFS111-UL1979 : JUNKOSHA INC. RF-MF50141 : NISSEI ELECTRIC CO.,LTD.		
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		— BY STEEL GAUGE.		INSERTION FORCE	— N MAX.	—	—
				EXTRACTION FORCE	— N MIN.	—	—
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 ² 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 ² 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	08. 10. 23	
RoHS COMPLIANT				CHECKED	TO. KATAYAMA	08. 10. 23	
Unless otherwise specified, refer to JIS C 5402.				DESIGNED	TS. KANEKO	08. 10. 23	
				DRAWN	TS. KANEKO	08. 10. 23	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-318050-00	
HRS	SPECIFICATION SHEET			PART NO.	SMA (R) -200-088BPJBN		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL323-0901-2-00	△	1/1