

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-55°C TO +125°C(95%RH MAX)		STORAGE TEMPERATURE RANGE	-55°C TO +125°C(95%RH MAX)		
	POWER	_____ W		CHARACTERISTIC IMPEDANCE	50 Ω (0.045 TO 65 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	100 mA MAX (DC OR 1000 Hz).	CENTER CONTACT		16 mΩ MAX.	X	X	
		OUTER CONTACT		16 mΩ MAX.	X	X	
INSULATION RESISTANCE	250 V DC.			500 MΩ MIN.	X	X	
VOLTAGE PROOF	250 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.			NO FLASHOVER OR BREAKDOWN.	X	X	
RETURN LOSS	FREQUENCY 0.045 TO 65 GHz.	RETURN LOSS		15dB MIN : 0.045 TO 40 GHz 10dB MIN : 40 TO 65 GHz	X	X	
INSERTION LOSS	FREQUENCY TO GHz			dB MAX.	—	—	
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND EXTRACTION FORCES	[SMPM SIDE] +0.0025 φ0.32 0 BY STEEL GAUGE.		INSERTION FORCE 6.7 N MAX.		X	—	
			EXTRACTION FORCE N MIN		—	—	
	[SMPM SIDE] +0.0025 φ0.2896 0 BY STEEL GAUGE.		INSERTION FORCE N MAX.		—	—	
			EXTRACTION FORCE 0.1 N MIN		X	X	
	[HV SIDE] 0 φ0.495 -0.005 BY STEEL GAUGE.		INSERTION FORCE N MAX.		—	—	
			EXTRACTION FORCE 0.2 N MIN		X	X	
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. [APPLICABLE CONNECTOR : SMPMP(FD)-HVP]		INSERTION FORCE 26.7 N MAX.		X	—	
			EXTRACTION FORCE 13.4 N MIN		X	—	
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: CENTER CONTACT 28 mΩMAX.CHANGE OUTER CONTACT 28 mΩMAX.CHANGE 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 1μs. 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 N MAX.		1) NO WITHDRAWAL AND BREAKAGE OF CABLE. 2) NO BREAKAGE OF CLAMP.		—	—	
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT,CYCLIC	EXPOSED AT -10 TO +65 °C, 90~98% TOTAL 10 CYCLES (240 h)		1) INSULATION RESISTANCE: 100 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 -65 → --- → +125 → --- °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	
0							
REMARK RoHS COMPLIANT Unless otherwise specified, refer to JIS C 5402.			APPROVED	MH. YAMANE	08.07.19		
			CHECKED	TS. NOBE	08.07.18		
			DESIGNED	RO. YOKOYAMA	08.07.18		
			DRAWN	RO. YOKOYAMA	08.07.18		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-313093-00		
HRS	SPECIFICATION SHEET		PART NO.		SMPMJ-HVJ		
	HIROSE ELECTRIC CO., LTD.		CODE NO.		CL311-0421-7-00	△ 1/1	