

Applicable standard					
Rating	Operating temperature range	-55 °C to +85 °C (95 %RH Max.)	Storage temperature range	-55 °C to +85 °C (95 %RH Max.)	
	Power	- W	Characteristic impedance	50 Ω (0 to 1 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.		X	X
ELECTRICAL CHARACTERISTICS					
Contact resistance	100 mA Max. (DC or 1000 Hz)		Center contact 9 mΩ Max.	X	X
			Outer contact 9 mΩ Max.	X	X
Insulation resistance	500 V DC.		1000 MΩ Min.	X	X
Withstanding voltage	500 V AC for 60 sec current leakage 2 mA Max.		No breakdown.	X	X
Voltage standing wave ratio	Frequency 0 to 1 GHz.		VSWR 1.1 Max.	X	-
Insertion loss	Frequency - to - GHz.		- dB Max.	-	-
MECHANICAL CHARACTERISTICS					
Contact insertion and extraction forces	φ 0.91 ^{+0.005} ₀ by steel gauge. (HRM)		Insertion force - N Max.	-	-
			Extraction force 1.5 N Min.	X	X
Insertion and extraction forces	Measured by applicable connector.		Insertion force - N Max.	-	-
			Extraction force - N Min.	-	-
Mechanical operation	500 times insertion and extractions.		1)Contact resistance: Center contact 16 mΩ Max. Outer contact 16 mΩ Max. 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 strength (Against cable pull)	Using a pulling tester, pull the cable axially at a rate of - mm/min and record the strength at which the cable or connector breaks.		- N Min.	-	-
ENVIRONMENTAL CHARACTERISTICS					
Damp heat	Exposed at +25 to +65 °C, 80 to 96 % total 10 cycles. (240 h)		1)Insulation resistance: 100 MΩ Min. (at high humidity) 2) Insulation resistance: 1000 MΩ Min. (at dry) 3)No damage, crack and looseness of parts.	X	-
Rapid change of temperature	Temperature -55 → - → +85 → - °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.		VSWR 1.1 Max.	X	-
Count	Description of revisions		Designed	Checked	Date
①					
Remark			Approved	NK.NINOMIYA	20230712
			Checked	NK.NINOMIYA	20230712
			Designed	NK.OOSAWA	20230712
			Drawn	NK.OOSAWA	20230712
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-009425-40-00	
HRS	SPECIFICATION SHEET		Part No.	HRMJ-UMJ(40)	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL0311-0164-6-40	① 1/1