

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	50Ω ( 0 TO 18 GHz)	
	PECULIARITY	——		APPLICABLE CABLE	——	
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS		QT AT
CONSTRUCTION						
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		× ×
MARKING		CONFIRMED VISUALLY.				— —
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE		100 mA MAX (DC OR 1000 Hz).		CENTER CONTACT	4 mΩ MAX.	× ×
				OUTER CONTACT	4 mΩ MAX.	× ×
INSULATION RESISTANCE		500 V DC.		5000 MΩ MIN.		× ×
VOLTAGE PROOF		1000 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.		× ×
VOLTAGE STANDING WAVE RATIO		FREQUENCY 0.045 TO 18 GHz.		VSWR 1.05+0.01f MAX. (f:GHz)		× —
INSERTION LOSS		FREQUENCY TO GHz		dB MAX.		— —
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES		INSERTION GAUGE : φ 0.9398 <sup>+0.0025</sup> <sub>0</sub> STEEL GAUGE. EXTRACTION GAUGE: φ 0.9017 <sup>0</sup> <sub>-0.0025</sub> STEEL GAUGE.		INSERTION FORCE	8. 9 N MAX.	× ×
				EXTRACTION FORCE	0. 3 N MIN.	× ×
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE	N MAX.	— —
				EXTRACTION FORCE	N MIN.	— —
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: CENTER CONTACT 6 mΩMAX. OUTER CONTACT 6 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		× —
VIBRATION		FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 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.		× —
SHOCK		1960 m/s <sup>2</sup> DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.				× —
CENTER CONTACT TORQUE RETENTION		CONFIRM TORQUE RETENTION.		TORQUE RETENTION: 16.7 mN·m MIN.		× —
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT,CYCLIC		EXPOSED AT +25 TO +65 °C, 90~98 % TOTAL 10 CYCLES. ( 240 h )		1) INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 5000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		× —
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → — → +85 → — °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		× —
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.		× —
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
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REMARK RoHS COMPLIANT				APPROVED	MH. YAMANE	08. 07. 18
				CHECKED	MH. YAMANE	08. 07. 18
				DESIGNED	TS. NOBE	08. 07. 17
				DRAWN	TS. NOBE	08. 07. 17
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-306450-00	
HRS	SPECIFICATION SHEET		PART NO.	HRM (G) -306S		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL323-0823-0-00	△	1/1