

APPLICABLE STANDARD			
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +90°C(90%RH MAX)	STORAGE TEMPERATURE RANGE -40°C TO +90°C(90%RH MAX)
	POWER	—— W	CHARACTERISTIC IMPEDANCE 50 Ω ( 0 TO 6 GHz)
	PECULIARITY	——	APPLICABLE CABLE ——

## SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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### CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		—	—

### ELECTRIC CHARACTERISTICS

CONTACT RESISTANCE	10 mA MAX (DC OR 1000 Hz).	CENTER CONTACT	14 mΩ MAX.	X	X
		OUTER CONTACT	14 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	1.2 MAX.	X	—
INSERTION LOSS	FREQUENCY TO GHz		dB MAX.	—	—

### MECHANICAL CHARACTERISTICS

CONTACT INSERTION AND EXTRACTION FORCES	[HRM] EXTRACTION GAUGE: $\phi 0.91^{+0.005}_0$ 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	[HRM] 500 TIMES INSERTIONS AND EXTRACTIONS. [U.FL] 30 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: CENTER CONTACT 21 mΩMAX.CHANGE OUTER CONTACT 21 mΩMAX.CHANGE 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
VIBRATION	FREQUENCY 10 TO 100 Hz SINGLE AMPLITUDE 1.5 mm, 59 m/s <sup>2</sup> AT 5 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
SHOCK	735 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 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 +40 °C, 95 % TOTAL CYCLES ( 96 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 → 5-35 → +90 → 5-35 °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	10.08.04
	CHECKED	TS. NOBE	10.08.04
	DESIGNED	YI. FUNADA	10.08.03
	DRAWN	YI. FUNADA	10.08.03

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELG4-300041-40
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	HRMJ-U. FLJ-PA-1 (40)		
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL311-0364-5-40		1/1