



# THE DATASHEET OF HRMP-U.FLJ(40)



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 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +85°C (90%RH MAX)	STORAGE TEMPERATURE RANGE	-40°C TO +85°C (90%RH MAX)	
	POWER	— W	CHARACTERISTIC IMPEDANCE	50 Ω ( 0 TO $\Delta$ 8 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
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	10 mA MAX (DC OR 1000 Hz).		CENTER CONTACT 10 mΩ MAX.	X	X
			OUTER CONTACT 10 mΩ MAX.	X	X
INSULATION RESISTANCE	100 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
VOLTAGE STANDING WAVE RATIO $\Delta$	FREQUENCY 0.045 TO 5 GHz.		VSWR 1.2 MAX.	X	—
	FREQUENCY 5 TO 8 GHz.		VSWR 1.3 MAX.		
INSERTION LOSS	FREQUENCY — TO — GHz		— dB MAX.	—	—
MECHANICAL CHARACTERISTICS					
CENTER CONTACT EXTRACTION FORCES	— BY STEEL GAUGE.		INSERTION FORCE — N MAX.	—	—
			EXTRACTION FORCE — N MIN	—	—
INSERTION AND EXTRACTION 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 15 mΩMAX. OUTER CONTACT 15 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY — TO — Hz SINGLE AMPLITUDE — mm, — m/s <sup>2</sup> AT — CYCLES FOR — DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF — μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—	—
SHOCK	— m/s <sup>2</sup> DIRECTIONS OF PULSE — ms AT — TIMES FOR — DIRECTIONS.			—	—
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	EXPOSED AT +25 °C TO +65 °C 、 80~96 % TOTAL 10 CYCLES (240H)		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 → +85 → 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.		$\Delta$ VSWR SPEC WITHIN STANDARD	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
$\Delta$	3	DIS-D-00004690	NK. NINOMIYA	TS. NOBE	20200207
REMARK			APPROVED	I.J. MITANI	20051124
			CHECKED	KY. SHIMIZU	20051124
			DESIGNED	TO. KATAYAMA	20051122
Unless otherwise specified, refer to JIS C 5402.			DRAWN	YK. SUGIYAMA	20051122
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-131959-40
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	HRMP-U. FLJ (40)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL311-0300-2-40	$\Delta$ 1/1

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