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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 3 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	250 V DC.		1000 MΩ MIN.		X	X
VOLTAGE PROOF	300 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.		X	X
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 3 GHz.		VSWR	1.2 MAX.	X	-
INSERTION LOSS	FREQUENCY TO GHz		dB MAX.		-	-
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.		INSERTION FORCE	N MAX.	-	-
			EXTRACTION FORCE	N MIN	-	-
INSERTION AND WITHDRAWAL 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.CHANGE OUTER CONTACT 15 mΩMAX.CHANGE 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
VIBRATION	FREQUENCY TO Hz SINGLE AMPLITUDE mm, m/s ² AT CYCLES FOR DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		-	-
SHOCK	m/s ² 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,CYCLIC	EXPOSED AT +25 TO +65 °C, 80~96 % TOTAL 10 CYCLES(240 h)		1) INSULATION RESISTANCE: 10 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 100 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		NO HEAVY CORROSION		X	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
	0					
REMARK RoHS COMPLIANT			APPROVED	IJ.MITANI	05.09.14	
			CHECKED	KY.SHIMIZU	05.09.13	
			DESIGNED	TO.KATAYAMA	05.09.13	
Unless otherwise specified, refer to JIS C 5402.			DRAWN	MT.KANEKO	05.09.05	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-047043-40		
HRS	SPECIFICATION SHEET		PART NO.	HRMP-H. FLJ (40)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL311-0232-4-40		1/1