






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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	- Ω (- to - GHz)		
	PECULIARITY	-	APPLICABLE CONNECTOR	 MRF14-CON(*)		
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	mA MAX (DC OR 1000 Hz).		CENTER CONTACT	mΩ MAX.	-	-
			OUTER CONTACT	mΩ MAX.	-	-
INSULATION RESISTANCE	V DC.			MΩ MIN.	-	-
VOLTAGE PROOF	V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.		-	-
VOLTAGE STANDING WAVE RATIO	FREQUENCY	to GHz	VSWR	MAX.	-	-
	FREQUENCY	to GHz				
INSERTION LOSS	FREQUENCY to GHz				-	-
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES	MEASURED BY WIDTH STEEL GAUGE		INSERTION FORCE	N MAX.	-	-
			EXTRACTION FARCE	N MIN	-	-
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE	N MAX.	-	-
			EXTRACTION FARCE	N MIN.	-	-
MECHANICAL OPERATION	TIMES INSERTIONS AND EXTRACTIONS		1) CONTACT RESISTANCE: CENTER CONTACT mΩMAX. OUTER CONTACT mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		-	-
VIBRATION	FREQUENCY	to Hz	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		-	-
	SINGLE AMPLITUDE	mm, m/s ²				
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	EXPOSED AT +40 °C , 95% TOTAL (96 H)		1) INSULATION RESISTANCE: - MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: - MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 20 to 35→ +85→ 20 to 35 °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
CORROSION SALT MIST	EXPOSED IN % SALT WATER SPRAY FOR h.		NO HEAVY CORROSION.		-	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
						
REMARK			APPROVED	MH. YAMANE	12. 09. 05	
Note:  The mark[*] in the MRF14-CON(*) indicates the connector type. Unless otherwise specified, refer to JIS C 5402.			CHECKED	MH. TSUCHIDA	12. 09. 04	
			DESIGNED	TS. KANEKO	12. 09. 04	
			DRAWN	YY. KOBAYASHI	12. 09. 04	
			Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.
	SPECIFICATION SHEET		PART NO.	MRF14-CON (M) -14M		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL313-0706-0-00		1/1