

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	①➤-40°C to+85°C(90%RH MAX)		STORAGE TEMPERATURE RANGE	-40°C to +85°C(90%RH MAX)		
	VOLTAGE	AC 500 V		CHARACTERISTIC IMPEDANCE	—		
	CURRENT	2 A					
	PECULIARITY	NON MAGNETIC		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	30 mΩ MAX.	×	—
INSULATION RESISTANCE		500 V DC.			500 MΩ MIN.	×	—
VOLTAGE PROOF		1500 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.		×	—
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		60,000 TIMES INSERTIONS AND EXTRACTIONS ⚠		1) CONTACT RESISTANCE: 60 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—
VIBRATION		FREQUENCY 10 to 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 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		735 m/s <sup>2</sup> DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 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: 10 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 500 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -40→ 20 to 35→ +85→ 20 to 35 °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
⚠	1	DIS-D-00000161		HA. NISHIMURA		MH. TSUCHIDA	15. 04. 07
REMARK				APPROVED	KH. IKEDA	14. 09. 30	
RoHS COMPLIANT, NON MAGNETIC This specification shall be performed assembled into MRF14-CON(M)-14M (CL313-0706-0) Note ①➤ It contain temperature rise by current carrying				CHECKED	MH. TSUCHIDA	14. 09. 30	
				DESIGNED	HA. NISHIMURA	14. 09. 29	
				DRAWN	HA. NISHIMURA	14. 09. 29	
Unless otherwise specified, refer to JIS C 5402.							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-336891-00	
HRS	SPECIFICATION SHEET			PART NO.		MRF14-CON (M1)	
	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL313-0710-7-00	⚠ 1/1