

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
△					△					
△					△					
APPLICABLE STANDARD EIAJ RC-5240										
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +85 °C			STORAGE TEMPERATURE RANGE	-40 °C TO +85 °C				
	VOLTAGE	AC 50V			OPERATING HUMIDITY RANGE	5 % TO 85 %				
	CURRENT	0.3 A			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 (DC OR 1000 Hz).				50 mΩ MAX.			○	-
INSULATION RESISTANCE		250 V DC.				100 MΩ MIN.			○	-
VOLTAGE PROOF		250 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.			○	○
MECHANICAL CHARACTERISTICS										
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.				INSERTION FORCE 24.5 N MAX. WITHDRAWAL FORCE 2.5 N MIN.			○	-
MECHANICAL OPERATION		10000 TIMES INSERTIONS AND EXTRACTIONS.				① CONTACT RESISTANCE : 100 mΩ MAX. ② INSERTION FORCE 24.5 N MAX. WITHDRAWAL FORCE 1.9 N MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	-
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS, TOTAL 6 h.				① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	-
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS, TOTAL 18 TIMES.							○	-
ENVIRONMENTAL CHARACTERISTICS										
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -40 → 25 → 85 → 25 °C TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES.				① CONTACT RESISTANCE : 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	-
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90~95 %, 96 h (FOR 4 DAYS).				① CONTACT RESISTANCE : 100 mΩ MAX. ② INSULATION RESISTANCE : 10 MΩ MIN. ③ NO FLASHOVER OR BREAKDOWN. ④ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	-
DRY HEAT		EXPOSED AT +85±2 °C, 96±4 h.				① CONTACT RESISTANCE : 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	-
COLD		EXPOSED AT -40±3 °C, 96±4 h.				① CONTACT RESISTANCE : 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	-
CORROSION SALT MIST		EXPOSED IN 5±1 % SALT WATER, 35±3 °C FOR 48 ±4 h.				① CONTACT RESISTANCE : 100 mΩ MAX. ② NO HEAVY CORROSION.			○	-
REMARKS										
DRAWN					DESIGNED		CHECKED		APPROVED	RELEASED
M. Shingema					M. Shingema		H. Nakamura			
04.2.27					04.2.27		04.3.1		04.3.2	
Unless otherwise specified, refer to JIS C 5402.										
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test										
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO. MQ212-10P		
CODE NO.(OLD) CL			DRAWING NO. ELC4-124599			CODE NO. CL206-2446-5			1/2	

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
SOLDERBILITY	SOLERRING POINT OF CONTACTS IMMERSION IN SOLDER BATH OF $350 \pm 5^{\circ}\text{C}$, 2 ± 0.5 sec.	SOLDERING POINT OF CONTACTS IMMERSION IN SOLDER, 90% MIN.	☐	—
RESISTANCE TO SOLDERING HEAT	MOLTEN-SDDER TEMPERATURE: $260 \pm 5^{\circ}\text{C}$. IMMERSION FURABILITY PER LOCATION: 2 ± 1 sec.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	☐	—

REMARKS

DRAWN

DESIGNED

CHECKED

APPROVED

RELEASED

M. Shinozawa

M. Shinozawa

H. Ikemura



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04.3.1

04.3.2

Unless otherwise specified, refer to JIS C 5402.

Note QT: Qualification Test AT: Assurance Test ☐: Applicable Test**HRS**

HIROSE ELECTRIC CO., LTD.

SPECIFICATION SHEET

PART NO.

MQ212-10P

CODE NO.(OLD)

CL

DRAWING NO.

ELC4-124599

CODE NO.

CL206-2446-5

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DRAWING FOR REFERENCE: This is subject to change without notice

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