

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

TO
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COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE

APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE	- °C TO - °C
RATING VOLTAGE	AC 250 V	OPERATING HUMIDITY RANGE	- % TO - %		
CURRENT	0.5 A	APPLICABLE CABLE			

SPECIFICATIONS				
ITEM	TEST METHOD	REQUIREMENTS	QT	AT

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.		
MARKING	CONFIRMED VISUALLY.			

ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	<input checked="" type="checkbox"/> 35 mΩ MAX.		
INSULATION RESISTANCE	500V DC.	500 MΩ MIN.		
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.		

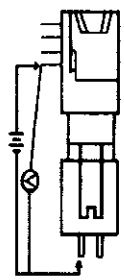
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE	40 N MIN. 147 N MAX.	
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRactions.	EXTRACTION FORCE	<input checked="" type="checkbox"/> 35mΩ MAX.	
		CONTACT RESISTANCE:	<input checked="" type="checkbox"/> 35mΩ	

VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, - m/s ² AT 2 h, FOR 3 DIRECTIONS.	NO DAMAGE, CRACK AND LOOSENESS.		
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 6 DIRECTION.	NO DAMAGE, CRACK AND LOOSENESS.		

ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5~35 → 85 → 5~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90~95%RH, 96 h.	① INSULATION RESISTANCE AT HIGH HUMIDITY 1 MΩ MIN. AT DRY 100 MΩ MIN.		
		② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		

CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.		
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NOTE CONTACT RESISTANCE TEST POSITION.



REMARKS		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		<i>T. Sawaguchi</i>	<i>T. Sawaguchi</i>	<i>N. Sano</i>	<i>S. Nakaguchi</i>	
		02.08.19	02.08.19	02.08.19	02.08.19	

Unless otherwise specified, refer to JIS C 5402.

Note Qualification Test Assurance Test Applicable Test

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	DX40M-100P
CODE NO.(OLD)	DRAWING NO.	ELC4-041449	PART NO.
CL	ELC4-041449	CL230-5039-1	