

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD		PC Card Standard		
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C	STORAGE TEMPERATURE RANGE	-40 °C TO +70 °C
	VOLTAGE	1~68: AC 125V	OPERATING HUMIDITY RANGE	95%MAXIMUM (NON-CONDENSING)
	CURRENT	1~68: 0.5A		

### SPECIFICATIONS


ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	<input type="radio"/>	<input type="radio"/>
MARKING	CONFIRMED VISUALLY.		<input type="radio"/>	<input type="radio"/>

<b>ELECTRIC CHARACTERISTICS</b>				
CONTACT RESISTANCE (LOW LEVEL) (MIL-STD-1344A) METHOD 3002.1	OPEN VOLTAGE 20 mV AC MAX, TEST CURRENT 1mA.		<input type="checkbox"/>	<input type="checkbox"/>
WITHSTANDING VOLTAGE METHOD 301	500 Vrms AC IS APPLIED FOR 1 MINUTE.		<input type="checkbox"/>	<input type="checkbox"/>
INSULATION RESISTANCE METHOD 302	MEASURE WITHIN 1 MINUTE AFTER APPLYING 500 V DC.		<input type="checkbox"/>	<input type="checkbox"/>

<b>MECHANICAL CHARACTERISTICS</b>				
SINGLE PIN PULLING FORCE	PULL THE STEEL GAUGE PIN. GAUGE SIZE: $\phi 0.420 \pm 0.005$ mm		<input type="checkbox"/>	<input type="checkbox"/>
TOTAL INSERTION FORCE	MEASURED BY APPLICABLE CONNECTOR.		<input type="checkbox"/>	<input type="checkbox"/>
TOTAL PULLING FORCE			<input type="checkbox"/>	<input type="checkbox"/>
MECHANICAL OPERATION [OFFICE ENVIRONMENT]	10000 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE :AFTER TEST 20 mΩ MAXIMUM CHANGE. ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.	<input type="radio"/>	<input type="checkbox"/>
VIBRATION AND HIGH FREQUENCY METHOD 204D	FREQUENCY 10 TO 2000 Hz, AMPLITUDE 1.52 mm, 147 m/s <sup>2</sup> PEAK AT 4 h, FOR 3 DIRECTIONS.	① MUST NOT CAUSE CURRENT INTERRUPTION GREATER THAN 100 ns. ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.	<input type="radio"/>	<input type="checkbox"/>
SHOCK METHOD 213B	ACCELERATION 490 m/s <sup>2</sup> STANDARD HOLDING TIME 11 ms, SEMI-SINE WAVE AT 3TIMES FOR 3 DIRECTION.		<input type="radio"/>	<input type="checkbox"/>

<b>ENVIRONMENTAL CHARACTERISTICS</b>				
MOISTURE RESISTANCE METHOD 106E	10 CYCLES (1 CYCLE=24 HOURS)WITH CONNECTORS ENGAGED. AFTER THE TEST,THE TEST SAMPLE SHALL BE LEFT AT THE AMBIENT TEMP. FOR 1 TO 2 HOURS.	① CONTACT RESISTANCE :AFTER TEST 20 mΩ MAXIMUM CHANGE. ② INSULATION RESISTANCE :AFTER TEST 100 MΩ MINIMUM. ③ NO HEAVY CORROSION.	<input type="radio"/>	<input type="checkbox"/>
THERMAL SHOCK METHOD 107G	TEMPERATURE -55 → +5~35 → +85 → +5~35 °C TIME 30 → 5 MAX → 30 → 5 MAX. min. UNDER 5 CYCLES WITH CONNECTORS ENGAGED. AFTER THE TEST,THE TEST SAMPLE SHALL BE LEFT AT THE AMBIENT TEMP. FOR 1 TO 2 HOURS.	① CONTACT RESISTANCE :AFTER TEST 20 mΩ MAXIMUM CHANGE. ② INSULATION RESISTANCE :AFTER TEST 100 MΩ MINIMUM. ③ NO PHYSICAL DAMAGE SHALL OCCUR DURING TESTING.	<input type="radio"/>	<input type="checkbox"/>

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	<p style="text-align: center;"><b>FOR REFERENCE ONLY</b> <b>Subject to change without notice</b></p> <p>Unless otherwise specified, refer to MIL-STD-202F.</p> <p>Note QT:Qualification Test AT:Assurance Test ○:Applicable Test</p>				
	<i>M. Egawa</i>	<i>M. Egawa</i>	<i>M. Sakida</i>	<i>T. Yoshimura</i>	
	98.03.24	98.03.24	98.03.24	98.03.24	

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<b>HRS</b> HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO.	IC11-BD-EJR
CODE NO.(OLD)	DRAWING NO.	PART NO.			
CL	ELC4-151606	CL640-1053-0			1 2

FORM No.231-1

(PC)

# SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
DURABILITY (HIGH TEMPERATURE)  METHOD 108A	EXPOSED AT 85 °C, 250 HOURS WITH CONNECTORS ENGAGED. AFTER THE TEST, THE TEST SAMPLE SHALL BE LEFT AT THE AMBIENT TEMP. FOR 1 TO 2 HOURS.	① CONTACT RESISTANCE :AFTER TEST 20 mΩ MAXIMUM CHANGE. ② NO PHYSICAL DAMAGE SHALL OCCUR DURING TESTING.	○	—
COLD RESISTANCE  [JIS C 0020]	EXPOSED AT -55 °C, 96 HOURS WITH CONNECTORS ENGAGED. AFTER THE TEST, THE TEST SAMPLE SHALL BE LEFT AT THE AMBIENT TEMP. FOR 1 TO 2 HOURS.	① CONTACT RESISTANCE :AFTER TEST 20 mΩ MAXIMUM CHANGE. ② NO PHYSICAL DAMAGE SHALL OCCUR DURING TESTING.	○	—
HUMIDITY (NORMAL CONDITION)  METHOD 103B	EXPOSED AT 40±2 °C, 90 TO 95 % RH 96 HOURS WITH CONNECTORS ENGAGED. AFTER THE TEST, THE TEST SAMPLE SHALL BE LEFT AT THE AMBIENT TEMP. FOR 1 TO 2 HOURS.	① CONTACT RESISTANCE :AFTER TEST 20 mΩ MAXIMUM CHANGE. ② INSULATION RESISTANCE :AFTER TEST 100 MΩ MINIMUM. ③ NO PHYSICAL DAMAGE SHALL OCCUR DURING TESTING.	○	—
HYDROGEN SULPHIDE  [JEIDA-38]	EXPOSED IN 3 PPM HYDROGEN SULFIDE, 40±2°C, APPROX. 80% RH, 96 HOURS, WITH CONNECTORS ENGAGED. AFTER THE TEST, THE TEST SAMPLE SHALL BE LEFT AT THE AMBIENT TEMP. FOR 1 TO 2 HOURS.	① CONTACT RESISTANCE :AFTER TEST 20 mΩ MAXIMUM CHANGE. ② NO HEAVY CORROSION	○	—
CORROSION SALT MIST  METHOD 101D	EXPOSED IN 5±1 % SALT WATER SPRAY, 35±2°C, 48 HOURS, WITH CONNECTORS ENGAGED. AFTER THE TEST, THE TEST SAMPLE SHALL BE RINSED WITH WATER AND DRIED AT THE AMBIENT TEMP. FOR 24 HOURS.	NO HEAVY CORROSION.	○	—
<p><b>FOR REFERENCE ONLY</b> Subject to change without notice</p>				

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to MIL-STD-202F.	<i>M. Eguchi</i>	<i>M. Eguchi</i>	<i>M. Sakai</i>	<i>J. Yoshimura</i>	
		198.03.24	198.03.24	98.03.24	

Note QT:Qualification Test AT:Assurance Test ○:Applicable Test

<b>HRS</b> HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. IC11-BD-EJR
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CODE NO.(OLD) CL	DRAWING NO. ELC4-151606	PART NO. CL640-1053-0	2
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