

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

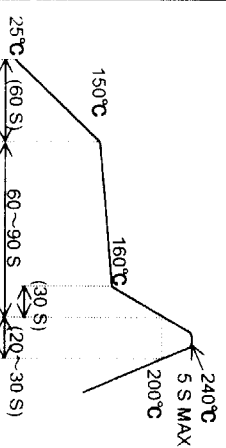
COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICATION STANDARD		STORAGE TEMPERATURE RANGE	RELATIVE HUMIDITY: 95% MAX (NO DEW CONDENSATION IS PERMITTED)
OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C		
RATING VOLTAGE	AC 50 V	OPERATING HUMIDITY RANGE	
CURRENT	0.3 A		

**SPECIFICATIONS**

ITEM	TEST METHOD	REQUIREMENT	Q	T	A
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING	X	X	X
MARKING	CONFIRMED VISUALLY.		X	X	X
<b>ELECTRICAL CHARACTERISTICS</b>					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz)	60 mΩ MAX.	X	X	X
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	X	X	X
VOLTAGE PROOF	150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X	X
<b>MECHANICAL CHARACTERISTICS</b>					
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 40.8 N MAX WITHDRAWAL FORCE: 1.7 N MIN	X	X	X
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTIONS.	1)CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	X	X
VIBRATION	FREQUENCY: 10 TO 55 Hz. SINGLE AMPLITUDE: 0.75 mm, -- m/s <sup>2</sup> AT 10 CYCLES FOR 3 DIRECTIONS.	1)NO ELECTRICAL DISCONTINUITY OF PART. 2)NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	X	X
SHOCK	490 ms <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	X	X

<b>ENVIRONMENTAL CHARACTERISTICS</b>					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90~95 %, 96 h	1)CONTACT RESISTANCE: 70 mΩ MAX. 2)INSULATION RESISTANCE: 100 MΩ MIN. 3)NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	X	X
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→-15~35→ 85→15~35°C TIME 30→ 2~ 3→ 30→ 2~ 3 min. UNDER 5 CYCLES.		X	X	X
DRY HEAT	EXPOSED AT 85 °C, 96 h.	1)CONTACT RESISTANCE: 70 mΩ MAX. 2)NO DAMAGE, CRACK AND LOOSENESS OF PART.	X	X	X
COLD	EXPOSED AT -55 °C, 96 h		X	X	X
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h	NO HEAVY CORROSION.	X	X	X
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)	1)CONTACT RESISTANCE: 70 mΩ MAX. 2)NO HEAVY CORROSION	X	X	X
RESISTANCE TO SOLDERING HEAT	REFLOW / RECOMMENDED TEMPERATURE PROFILE	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.	X	X	X



SOLDERABILITY	REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
TO BE TESTED UNDER THE ABOVE CONDITIONS SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.		<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	X
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UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.  
NOTE Q1: QUALIFICATION TEST AT ASSURANCE TEST X: APPLICABLE TEST

**HRS** HIROSE ELECTRIC CO., LTD. **SPECIFICATION SHEET** PART NO. **FX11LB - 68P - SV (22)**

CODE NO. (OLD) **CL** DRAWING NO. **ELC4 - 152104 - 02** CODE NO. **CL 573 - 0052 - 5 - 22**

FORM NO. 231-1

TO	
PCK	