

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

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COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	REF-06478	J.M	M.	99.7.29					

APPLICATION STANDARD		OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C
RATING		VOLTAGE	AC 50 V	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY: 95% MAX (NO DEW CONDENSATION IS PERMITTED)
		CURRENT	0.3 A		

**SPECIFICATIONS**

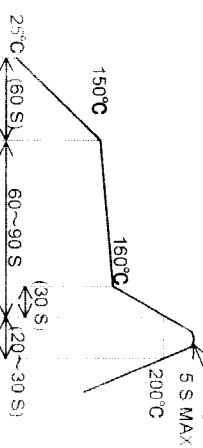
ITEM	TEST METHOD	REQUIREMENT	Q/T	A/T
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CONSTRUCTION	GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT. CONFIRMED VISUALLY.	ACCORDING TO DRAWING	○	○
	MARKING			○	○
	ELECTRICAL CHARACTERISTICS	CONTACT RESISTANCE	100 mA (DC OR 1000 HZ)	60 mΩ MAX	○
		INSULATION RESISTANCE	100 V DC.	100 MΩ MIN	○
		VOLTAGE PROOF	150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○

	MECHANICAL CHARACTERISTICS	INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR	INSERTION FORCE: 40.8 N MAX. WITHDRAWAL FORCE: 1.7 N MIN.	○
		MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTIONS	1) CONTACT RESISTANCE: 70 mΩ MAX 2) NO DAMAGE, CRACK AND LOOSENESS OF PART	○
	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 1 μs MIN 2) NO DAMAGE, CRACK AND LOOSENESS OF PART	○
	SHOCK		490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		○

	ENVIRONMENTAL CHARACTERISTICS		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.	○
			RAPID CHAGE OF TEMPERATURE	TEMPERATURE -55→-15~35→ 85→15~35°C TIME 30→ 2~ 3→ 30→ 2~ 3 min. UNDER 5 CYCLES.	3) NO DAMAGE, CRACK AND LOOSENESS OF PART	○
			DRY HEAT	EXPOSED AT 85 °C, 96 h	1) CONTACT RESISTANCE: 70 mΩ MAX.	○
			COLD	EXPOSED AT -55 °C, 96 h	2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	○
			CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	○
			SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h (TEST STANDARD: JIS C 0090)	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO HEAVY CORROSION	○

	RESISTANCE TO SOLDERING HEAT	REFLOW: RECOMMENDED TEMPERATURE PROFILE		NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.	○
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	SOLDRABILITY	TO BE TESTED UNDER THE ABOVE CONDITIONS	SOLDERED AT SOLDER TEMPERATURE 235 °C FOR IMMERSION DURATION, 2 s.	NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.	○
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REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.	S Kitajima 99.05.25	J. Matsukawa 99.05.25	Mishida 99.05.26	Y Yoshimura 99.05.27	

NOTE Q/T: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST

<b>HRS</b> HIROSE ELECTRIC CO.,LTD.		<b>SPECIFICATION SHEET</b>		PART NO	
CODE NO.(OLD)	DRAWING NO.	CODE NO	CL 573 - 0152 - 0	FX11LB -68 S - SV	
CL	ELC4 - 152120.			1	1



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