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 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		
△	1	RE-F-06478	J.M	M.D	99.7.29	△							
△						△							
APPLICATION STANDARD													
RATING	OPERATING TEMPERATURE RANGE		-55 °C TO 85 °C			STORAGE TEMPERATURE RANGE		-10 °C TO 60 °C					
	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				QT	AT		
CONSTRUCTION													
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT				ACCORDING TO DRAWING				○	○		
MARKING		CONFIRMED VISUALLY.								○	○		
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		○	—		
MECHANICAL OPERATION		50 TIMES INSERTION AND EXTRACTIONS.				WITHDRAWAL FORCE:		1.7 N MIN.		○	—		
VIBRATION		FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm, m/s^2 AT 10 CYCLES FOR 3 DIRECTIONS.				1)CONTACT RESISTANCE: 70 mΩ MAX		2) NO DAMAGE, CRACK AND LOOSENESS OF PART		○	—		
SHOCK		490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				1)NO ELECTRICAL DISCONTINUITY OF 1 μs MIN.		2)NO DAMAGE, CRACK AND LOOSENESS OF PART.		○	—		
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 TEMPERTURE		TEMPERTURE -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.				○	—		
		<p>25°C ←(60 S)→ 150°C →(60~90 S)→ 160°C →(30 S)→ 240°C (5 S MAX) →(120~30 S)→ 200°C</p>										○	—
		TO BE TESTED UNDER THE ABOVE CONDITIONS											
SOLDRABILITY		SOLDERED AT SOLDER TEMPERATURE. 235 °C FOR IMMERSION DURATION. 2 s.				NO PINHOLE OR DEWETTING ON SOLDERED SURFACE				○	—		
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED				
					S Kitajima 99.05.25	J Matsukawa 99.05.25	M.Ishida 99.05.26	Y Yoshimura 99.05.27					
UNLESS OTERWISE SPECIFIED ,REFER TO JIS C 5402.													
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST ○ APPLICABLE TEST													
HRS HIROSE ELECTRIC CO. LTD.		SPECIFICATION SHEET				PART NO. FX11LB - 68P - SV							
CODE NO.(OLD): CL		DRAWING NO ELC4 - 152104 -				CODE NO CL 573 - 0052 -5				1	1		