

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE				
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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			X X					
MARKING		CONFIRMED VISUALLY.						X X					
ELECTRICAL CHARACTERISTICS													
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			60 mΩ MAX.			X X					
INSULATION RESISTANCE		100 V DC.			100 MΩ MIN.			X -					
VOLTAGE PROOF		150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			X X					
MECHANICAL CHARACTERISTICS													
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: 40.8 N MAX. WITHDRAWAL FORCE: 1.7 N MIN.			X -					
MECHANICAL OPERATION		50 TIMES INSERTION AND EXTRACTIONS.			1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X -					
VIBRATION		FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm, - m/s ² AT 10 CYCLES FOR 3 DIRECTIONS.			1) NO ELECTRICAL DISCONTINUITY OF 1 μs MIN. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X -					
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.						X -					
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.			X -					
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.			X -					
DRY HEAT		EXPOSED AT 85 °C, 96 h.			1) CONTACT RESISTANCE: 70 mΩ MAX.			X -					
COLD		EXPOSED AT -55 °C, 96 h.			2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X -					
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.			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 -					
RESISTANCE TO SOLDERING HEAT		REFLOW: RECOMMENDED TEMPERATURE PROFILE TO BE TESTED UNDER THE ABOVE CONDITIONS.			NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.			X -					
SOLDRABILITY		SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.			NO PINHOLE OR DEWETTING ON SOLDRED SURFACE.			X -					
REMARKS				DRAWN		DESIGNED		CHECKED		APPROVED		RELEASED	
				 99.10.27		 99.10.27		 99.10.28		 99.10.28			
UNLESS OTERWISE SPECIFIED, REFER TO JIS C 5402.													
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST													
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET				PART NO. FX11LB -68 S - SV (22)					
CODE NO.(OLD)				DRAWING NO.				CODE NO.				1	
CL				ELC4 - 152120 - 02				CL 573 - 0152 - 0 - 22				1	