

DESCRIPTION OF REVISIONS						DESCRIPTION OF REVISIONS					
COUNT	BY	CHKD	DATE	COUNT	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: 69.6 N MAX WITHDRAWAL FORCE: 2.9 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 TEMPERATURE		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.					
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	—
SOLDABILITY		SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.				NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.				X	—
REMARKS						DRAWN <i>J. Matsukawa</i> 99.10.25	DESIGNED <i>M. Matsukawa</i> 99.10.25	CHECKED <i>M. Matsukawa</i> 99.10.26	APPROVED <i>J. Matsukawa</i> 99.10.26	RELEASED	
UNLESS OTERWISE SPECIFIED, REFER TO JIS C 5402.											
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST											
 HIROSE ELECTRIC CO.,LTD.				SPECIFICATION SHEET				PART NO. FX11LA - 116P - SV (21)			
CODE NO.(OLD)		DRAWING NO.		CODE NO.						1	
CL		ELC4 - 152102 - 01		CL 573 - 0044 - 7 - 21						1	1