

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	RE-F-06478	J.M	m	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: 69.6 N MAX. WITHDRAWAL FORCE: 2.9 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 ² 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 ² 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 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 TO BE TESTED UNDER THE ABOVE CONDITIONS				NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.		○	—
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 O: APPLICABLE TEST									
HS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO. FX11LA - 116S - SV	
CODE NO.(OLD) CL			DRAWING NO. ELC4 - 152118-			CODE NO. CL 573 - 0144 - 1			1/1