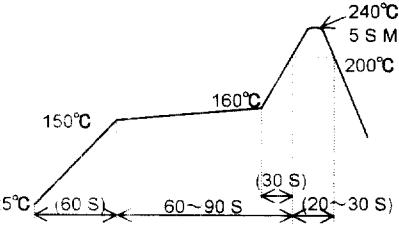


APPLICATION STANDARD						SPECIFICATIONS					
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C			STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C			OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY 95 % MAX (NO DEW CONDENSATION IS PERMITTED)	
	VOLTAGE	AC 50 V			AC 50 V			AC 50 V			
	CURRENT	0.3 A			0.3 A			0.3 A			
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).			70 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: 60 N MAX. WITHDRAWAL FORCE: 2.5 N MIN					X	-	
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTIONS.			1) CONTACT RESISTANCE: 80 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.					X	-	
VIBRATION	FREQUENCY: 10 TO 55 Hz SINGLE AMPLITUDE: 0.75 mm, 7.5 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.					X	-	
SHOCK	490 m/s <sup>2</sup> 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: 80 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: 80 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: 80 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	DESIGNED	CHECKED	APPROVED	RELEASED			
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.				cc, c, /15	cc, c, /15	00.01.17	00.01.17				
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST											
<b>HS</b> HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET				PART NO.		FX11A - 100S - SV			
CODE NO.(OLD)		DRAWING NO		CODE NO.							
CL		ELC4 - 152641 -		CL 573 - 0743 - 6 -							

TO  
PCK