

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			CURRENT	0.3 A					
	CURRENT	0.3 A									
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).			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, — 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: 80 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: 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 OTERWISE SPECIFIED, REFER TO JIS C 5402.				00.01.15	00.01.15	00.01.17	00.01.17				
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST						PART NO.					
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET			FX11B - 100S - SV						
CODE NO.(OLD) CL		DRAWING NO. ELC4 - 152645 -			CODE NO. CL 573 - 0753 - 0 -			1 1			