

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).			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 25°C (60 S) → 150°C → 160°C (30 S) → 240°C (5 S MAX) → 200°C 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 SOLDERED SURFACE.			X	—				
REMARKS				DRAWN		DESIGNED		CHECKED		APPROVED		RELEASED	
				 00.01.15		 00.01.15		 00.01.17		 00.01.17			
UNLESS OTERWISE SPECIFIED ,REFER TO JIS C 5402.													
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST													
HS HIROSE ELECTRIC CO.,LTD.				SPECIFICATION SHEET				PART NO. FX11A - 100S - SV					
CODE NO.(OLD) CL				DRAWING NO ELC4 - 152641 -				CODE NO. CL 573 - 0743 - 6 -				1 1	

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