

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 60~90 S (20~30 S) 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	
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												
HS HIROSE ELECTRIC CO.,LTD.				SPECIFICATION SHEET				PART NO. FX11B - 100S - SV (21)				
CODE NO.(OLD) CL				DRAWING NO. ELC4 - 152645 - 01				CODE NO. CL 573 - 0753 - 0 - 21				1 1

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