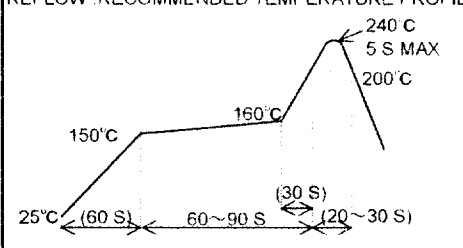


COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
<b>APPLICATION STANDARD</b>									
<b>RATING</b>	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C			STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C			
	VOLTAGE	AC 50 V			OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY : 95 % MAX (NO DEW CONDENSATION IS PERMITTED)			
	CURRENT	0.3 A							
<b>SPECIFICATIONS</b>									
<b>ITEM</b>		<b>TEST METHOD</b>			<b>REQUIREMENT</b>			<b>QT AT</b>	
<b>CONSTRUCTION</b>									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT			ACCORDING TO DRAWING			X X	
MARKING		CONFIRMED VISUALLY.						X X	
<b>ELECTRICAL CHARACTERISTICS</b>									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			60 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	
<b>MECHANICAL CHARACTERISTICS</b>									
INSERTION AND WITHDRAWAL FORCE		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: 57.6 N MAX. WITHDRAWAL FORCE: 2.4 N MIN.			X -	
MECHANICAL OPERATION		50 TIMES INSERTION AND EXTRACTION.			1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X -	
VIBRATION		FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm, -- m/s <sup>2</sup> WITH 10 CYCLES IN 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 FOR 3 TIMES IN 3 DIRECTIONS.						X -	
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
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.			X -	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -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: 70 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: 70 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 -	
SOLDRABILITY		SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.			NO PINHOLE OR DEWETTING ON SOLDER SURFACE.			X -	
REMARKS				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				J. Jakada	J. Jakada	M. Sakida	M. Sakida		
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.				00.01.13	00.01.13	00.01.13	00.01.14		
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST									
<b>HRS</b> HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. FX10A - 96S - SV(21)		
CODE NO.(OLD)		DRAWING NO.			CODE NO.			1	
CL		ELC4 - 151984 - 01			CL 570 - 0241 - 9 - 21			1	

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