

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾			
	VOLTAGE	50 V AC	OPERATING HUMIDITY RANGE	95 % RH MAX.			
	CURRENT	0.3 A	(NO DEW CONDENSATION IS PERMITTED)				
SPECIFICATIONS							
ITEM	TEST METHOD		REQUIREMENTS		QT	AT	
CONSTRUCTION							
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		x	x	
MARKING	CONFIRMED VISUALLY.				x	x	
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).		70 mΩ MAX.		x	-	
INSULATION RESISTANCES	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 FORCE	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE: 90 N MAX. WITHDRAWAL FORCE: 6 N MIN.		x	-	
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 80 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	-	
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE : 0.75 mm, AT 10 CYCLES FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		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 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 PARTS.		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 PARTS.		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	1) REFLOW SOLDERING : 250 °C MAX, : 220 °C MIN, FOR 60 s		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.		x	-	
	2) SOLDERING IRONS : 360 °C, FOR 5 s				x	-	
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 240±3°C, FOR IMMERSION DURATION, 3 s.		A NEW UNIFORM COATING OF SOLDER SHALL OVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.		x	-	
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED		DATE
REMARK ⁽¹⁾ TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ⁽²⁾ THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.					APPROVED	HS. OKAWA	07.08.01
					CHECKED	HS. OZAWA	07.08.01
					DESIGNED	SY. KAMIGA	07.08.01
					DRAWN	HK. SUNADORI	07.07.31
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-152634-25	
		SPECIFICATION SHEET		PART NO.	FX11A-100S/10-SV(71)		
		HIROSE ELECTRIC CO., LTD.		CODE NO.	CL573-0704-4-71		1/1