

APPLICABLE STANDARD		SPECIFICATIONS			
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>	
	VOLTAGE	50 V AC	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY 95 % RH MAX. <sup>(3)</sup>	
	CURRENT	0.3 A	STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>	
ITEM	TEST METHOD	REQUIREMENTS		QT	AT
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MARKING	CONFIRMED VISUALLY.			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	60 mΩ MAX.		<input checked="" type="checkbox"/>	—
INSULATION RESISTANCE	100 V DC	100 MΩ MIN.		<input checked="" type="checkbox"/>	—
VOLTAGE PROOF	150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCE	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 72.0 N MAX. WITHDRAWAL FORCE: 3.0 N MIN.		<input checked="" type="checkbox"/>	—
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 70 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/>	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE : 0.75 mm, AT 10 CYCLES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/>	—
SHOCK	490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/>	—
ENVIRONMENTAL CHARACTERISTICS					
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. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/>	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-55→+15~+35→+85→+15~+35°C TIME 30 → 2 ~ 3 → 30 → 2 ~ 3 min. UNDER 5 CYCLES.			<input checked="" type="checkbox"/>	—
DRY HEAT	EXPOSED AT 85 °C, 96h.			<input checked="" type="checkbox"/>	—
COLD	EXPOSED AT -55 °C, 96h.	① CONTACT RESISTANCE: 70 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/>	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 70 mΩ MAX. ② NO HEAVY CORROSION.		<input checked="" type="checkbox"/>	—
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)	① CONTACT RESISTANCE: 70 mΩ MAX. ② NO HEAVY CORROSION.		<input checked="" type="checkbox"/>	—
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.		<input checked="" type="checkbox"/>	—
	2) SOLDERING IRONS : 360 °C, FOR 5 s			<input checked="" type="checkbox"/>	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 240°C, FOR IMMERSION DURATION, 3 s.	A NEW UNIFORM COATING OF SOLDER SHALL OVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.		<input checked="" type="checkbox"/>	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
					
REMARK <sup>(1)</sup> TEMPERATURE RISE INCLUDED WHEN ENERGIZED. <sup>(2)</sup> THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. <sup>(3)</sup> NO DEW CONDENSATION IS PERMITTED. Unless otherwise specified, refer to JIS C 5402.				APPROVED	HS. OKAWA 10.04.23
				CHECKED	HT. YAMAGUCHI 10.04.23
				DESIGNED	SY. KAMIGA 10.04.23
				DRAWN	HK. SUNADORI 10.04.21
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-151969-21	
	SPECIFICATION SHEET		PART NO.	FX10A-120P-SV1 (91)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL570-0142-7-91	 1/1