

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	95 % RH MAX.	
	CURRENT	0.3 A	(NO DEW CONDENSATION IS PERMITTED)		
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).		70 mΩ MAX.		<input checked="" type="checkbox"/> <input type="checkbox"/>
INSULATION RESISTANCES	100 V DC		100 MΩ MIN.		<input checked="" type="checkbox"/> <input 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: 54 N MAX. WITHDRAWAL FORCE: 3.6 N MIN.		<input checked="" type="checkbox"/> <input type="checkbox"/>
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 80 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/> <input 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 MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/> <input type="checkbox"/>
SHOCK	490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				<input checked="" type="checkbox"/> <input type="checkbox"/>
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.		<input checked="" type="checkbox"/> <input 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.		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/> <input type="checkbox"/>
DRY HEAT	EXPOSED AT 85 °C, 96 h.		① CONTACT RESISTANCE: 80 mΩ MAX.		<input checked="" type="checkbox"/> <input type="checkbox"/>
COLD	EXPOSED AT -55 °C, 96 h.		② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<input checked="" type="checkbox"/> <input type="checkbox"/>
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.		<input checked="" type="checkbox"/> <input type="checkbox"/>
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)		① CONTACT RESISTANCE: 80 mΩ MAX. ② NO HEAVY CORROSION.		<input checked="" type="checkbox"/> <input 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"/> <input type="checkbox"/>
	2) SOLDERING IRONS : 360 °C, FOR 5 s				<input checked="" type="checkbox"/> <input type="checkbox"/>
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.		<input checked="" type="checkbox"/> <input type="checkbox"/>
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
 0					
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.			APPROVED	HS. OKAWA	07.06.22
			CHECKED	HS. OZAWA	07.06.22
			DESIGNED	KT. DOI	07.06.21
			DRAWN	TS. MIYAKI	07.06.20
Unless otherwise specified, refer to JIS C 5402.			DRAWING NO. ELC4-152632-22		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					
		SPECIFICATION SHEET		PART NO.	FX11A-60S/6-SV (92)
		HIROSE ELECTRIC CO., LTD.		CODE NO.	CL573-0702-9-92
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