

APPLICABLE STANDARD		SPECIFICATIONS			
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)		
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"/>	<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: 70 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 ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		<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: 70 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: 70 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: 70 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 MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPORNENT.		<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	
					
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	07.07.13	
		CHECKED	HS. OZAWA	07.07.13	
		DESIGNED	SY. KAMIGA	07.07.13	
		DRAWN	HK. SUNADORI	07.06.28	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-152096-21
	SPECIFICATION SHEET		PART NO.	FX11LB-60P/6-SV(91)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL573-0012-0-91	 1/1