

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	STORAGE HUMIDITY RANGE	(NON-CONDENSING)	
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING		CONFIRMED VISUALLY.		×	×
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz)	60 mΩ MAX .	×	—
INSULATION RESISTANCE		100 V DC.	100 MΩ MIN.	×	—
VOLTAGE PROOF		150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	×
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE : 108.0 N MAX. WITHDRAWAL FORCE: 7.2 N MIN.	×	—
MECHANICAL OPERATION		50 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
VIBRATION		FREQUENCY 10 TO 55 TO 10 Hz, SINGLE AMPLITUDE: 0.75 mm, 10 CYCLES FOR 3 AXIAL DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SHOCK		490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 BOTH AXIAL DIRECTIONS.		×	—
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	1) CONTACT RESISTANCE : 70 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN.	×	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE: -55 → +85 °C TIME : 30 → 30 min. UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER: WITHIN 2 TO 3 min)	3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
COLD		EXPOSED AT -55 °C, 96 h	1) CONTACT RESISTANCE : 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
DRY HEAT		EXPOSED AT +85 °C, 96 h		×	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	×	—
SULFUR DIOXIDE		EXPOSED 10 ppm FOR 96 h. (TEST STANDARD: JIS C 60068)	1) CONTACT RESISTANCE : 70 mΩ MAX. 2) NO HEAVY CORROSION.	×	—
RESISTANCE TO SOLDERING HEAT		1) REFLOW SOLDERING: PEAK TMP : 250 °C MAX REFLOW TMP: 220 °C MIN FOR 60sec 2) SOLDERING IRONS: 360 °C MAX FOR 5 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	×	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE 240 °C FOR IMMERSION DURATION, 3 sec.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	×	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARKS (1) TEMPERATURE RISE INCLUDED WHEN ENERGIZED. (2) THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. Unless otherwise specified, refer to IEC-60512.			APPROVED	NH. NAKATA	16.11.25
			CHECKED	HT. YAMAGUCHI	16.11.25
			DESIGNED	MT. ITANO	16.11.25
			DRAWN	MT. ITANO	16.11.25
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-152095-91-00
HRS	SPECIFICATION SHEET		PART NO.	FX11LA-120P/12-SV (91)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL573-0005-5-91	△ 1/1