APPL ICARI	E STANDARI	D									
, II I LI UNDL	Operating				Ωna	eratin	σ				
	Temperature range		_55 °C to 85 °C (1)		Hun	umidity range torage			Relative humidity 95 % M		
Rating	Voltage		50 V AC		Ten	emperature range			-10 °C to 60 °C (2)		
	Current		0.3 A		Hun	Storage Humidity range		40 % to 70 % ⁽²⁾			
			SPEC	IFICA	TIONS						
ITEM			TEST METHOD			REQUIREMENTS				QT	ΑT
CONSTRUCTION											
General examination		Visually and by measuring instrument.				According to drawing.				×	X
Marking		Confirmed visually.									×
ELECTRIC	CHARACTERI	STICS				<u>I</u>					
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.				×	×
MECHANICA	L CHARACTE	RISTICS				i				1	
Insertion and		Measured by applicable connector.				Insertion force : 72.0 N MAX.					_
withdrawal forces						Withdrawal force: 3.0 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,				1)No electrical discontinuity of 1 μs.				×	_
		Single amplitude: 0.75 mm, 10 cycles				2) No damage, crack and looseness of					
		for 3 axial directions.				parts.					
Shock		490 m/s², Duration of pulse 11 ms at 3 times for 3 both axial directions.								×	_
FNV I RONMF	NTAL CHARA			0010110.	I					ı	
Damp heat		Exposed at 40 ± 2 °C, 90 to 95 %, 96 h.				1)Contact resistance : 70 mΩ MAX. ×					_
(Steady state)						2) Insulation resistance: 100 M Ω MIN.				, ,	
Rapid change of temperature		Temperature: $-55 \rightarrow +85 \text{ °C}$ Time : $30 \rightarrow 30 \text{ min.}$ Under 5 cycles.				3) No damage, crack and looseness of parts.					-
		(Relocation time to chamber: Within 2 to 3 min)									
Cold		Exposed	Exposed at -55 °C, 96 h			1) Contact resistance : 70 mΩ MAX. 2) No damage, crack and looseness of				×	_
Dry heat		Exposed	Exposed at +85 °C, 96 h			parts.					_
Corrosion salt mist		Exposed in 5 % salt water spray for 48 h.			3 h.	1) Contact resistance : 70 mΩ MAX. 2) No heavy corrosion.				×	_
Sulfur dioxide		Exposed 10 ppm, 40 °C, 75 \pm 5 % for 96 h. (Test standard:JIS C 60068)				×					_
Resistance to soldering heat		F	1) Reflow soldering: Peak TMP : 250 °C MAX Reflow TMP: 220 °C MIN for 60sec.			No deformation of case of excessive looseness of the terminal.					-
		,	ring irons: 360 °C MAX for	5 sec.							
Solderability			Soldered at solder temperature 240 \pm 3 °C for immersion duration, 3 sec.			A new uniform coating OF solder shall cover a minimum of 95 % of the surface being immersed.					_
		240 ±	3 °C for immersion durati	on, 3 s	ec.				95 % Of the Surface		
COUNT		DESCRIPTI	ON OF REVISIONS		DESIG	iNED			CHECKED	DA	TE
∕0∖											
REMARKS (1) Temperature rise incl			_			APPROVED		/ED	NH. NAKATA	17. 1	1. 22
			indicates a long-term storage state ed product before the board mounted.			CHECKED		ED	HT. YAMAGUCHI	17. 1	1. 22
	(3) NON-Condens	ing.				DESIGNED		IED	MT. ITANO	17. 11. 21	
Unless otherwise specified, refer to			IEC-60512.			DRAWN		N	MT. ITANO	17. 1	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					D	DRAWING NO.			ELC-362078-83-00		
H(5			ICATION SHEET	PART NO.			FX10A-120P-SV4 (83)				
1.7	HI	RUSE EL	ROSE ELECTRIC CO., LTD.			CODE NO.		CL570-0061-7-83			