APPLICAE	BLE STAN	DARD							
Operating		0000			Storage	o Dongo	-10 °C to 60 °C (2)		
Rating	Temperature Range Voltage Current		Signal Contact : 50 V AC Power Contact : 200 V AC Signal Contact : 0.5 A		Temperatur Storage Hu				
						orage Humidity Range Relative humidity 85 (Not dewed)		% max	(
			Power Contact : 3.0A			perating Humidity Range			
			SPECIF	FICATI	ONS				
ITI	ΕM		TEST METHOD			REQU	IREMENTS	QT	AT
CONSTRU	ICTION	- IL							
General Exan	nination		and by measuring instrument.		Accord	ling to drawing	J .	×	×
Marking			d visually.					×	×
ELECTRIC CHARAC									
Contact Resistance Insulation Resistance Voltage Proof		100 mA(DC or 1000Hz) Signal Contact : 100 V DC.			_	Signal Contact : $70m \Omega$ MAX. Power Contact : $20m \Omega$ MAX. Signal Contact : $100 M \Omega$ MIN.			-
									_
		Power Contact : 250 V DC			Power	Power Contact : 1000 M Ω MIN.			
		Signal Contact : 150 V AC for 1 min. Power Contact : 600 V AC for 1 min.			No flas	No flashover or breakdown.			×
								×	_
MECHANIO	CAL CHAR				Incorti	n Fores	54 N MAX.	×	1
Insertion and Withdrawal Forces		Measured by applicable connector.				Insertion Force: 54 N MAX. Withdrawal Force: 6 N MIN.			_
Mechanical Operation		100 times insertions and extractions.				① Contact Resistance: Signal Contact: 80m Ω MAX. Power Contact: 30m Ω MAX. ② No damage, crack and looseness of parts.			_
					S				
Vibration		Frequency 10 to 55 to 10Hz, approx 5min				 No damage, crack and looseness of parts. No electrical discontinuity of 1 μs. No damage, crack and looseness of parts. 			+_
		Single amplitude : 0.75 mm, 10 cycles for 3 axial directions.							
Shock		490 m/s ² , duration of pulse 11 ms at 3 times for 3 both axial directions.						×	_
ENVIRON	MENTAL C		FERISTICS		I .				
Damp Heat			at 40±2 °C, 90 ~ 95 %,	96 h.	(Ī) Coi	ntact Resistan	ce:	×	T —
(Steady state)					S	Signal Contact	: 80m Ω MAX.		
Rapid Change of Temperature		Temperature -55 \rightarrow +85 $^{\circ}$ C Time 30 \rightarrow 30 min.			F	Power Contact : 30m Ω MAX. ② Insulation Resistance:			_
					_				
		under 5	•			Signal Contact			
		(Relocation time to chamber : within 2~3 MIN)				Power Contact : 1000 MΩ MIN. ③ No damage, crack and looseness of parts.			
Cold		Exposed at -55°C, 96 h				① Contact Resistance:			
		25 O, 30 H			0	Signal Contact : $80m\Omega$ MAX. Power Contact : $30m\Omega$ MAX.			
Dry Heat		Exposed at 105°C, 96 h							_
					② No	② No damage, crack and looseness of parts.			
Sulfur Dioxide		Exposed at 25±2°C, 75±5%RH, 25 PPM for 96 h. (Test standard: IEC 68)			h. ① No	No defect such as corrosion which impairs the function of connector. Contact Resistance:			_
					_				
					_				
						Signal Contact			
Resistance to		1)Reflow soldering :				Power Contact : 30m Ω MAX. No deformation of case of excessive			+_
Soldering Heat		Peak TMP : 260°CMAX				looseness of the terminal.			
			TMP: 220°CMIN for 60sec						
			ng irons : 360°C MAX. for 5 se	ec.					<u> </u>
Solderability			at solder temperature				ng of solder shall cover a	×	-
		240±3℃	for immersion duration, 3 sec	С.	minimu		the surface being		
COUN	T DI	ESCRIPTION	ON OF REVISIONS	D	ESIGNED		CHECKED	DA	ATE
<u> </u>									
		ture rise caused by current-carrying.				APPROVED HT. YAMAGUCHI			90918
(2) "STORAGE" mea before assembly		eans a long-term storage state for the unused product y to PCB.				CHECKED	HT. YAMAGUCHI	2019	90918
						DESIGNED	TS. 00N0	2019	90918
Unless otherwise specified, refer			er to IEC 60512.			DRAWN	TS. 00N0		90918
Note QT:Qualification Test AT:Assurance Test X:Applicable Te				st	DRAWIN	DRAWING NO. ELC-353542-2			
HS.	S	SPECIFICATION SHEET		Р	PART NO. FX23		3-120P-0. 5SV15 (-120P-0. 5SV15 (20)	
CIL	HIR	OSE EL	ECTRIC CO., LTD.	С	ODE NO.	DE NO. CL573-3006-4-20			1/1