APPLICA	BLE STAN	IDARD								
	Operating Temperature Range					orage emperature Range		-10 °C to	60 °C	(2)
Rating	Voltage		Signal Contact : 50 V AC Power Contact : 200 V AC			orage Humidity Range Forating Humidity Range		Relative humidity 85	5% max	
Current		Signal Contact : 0.5 A Power Contact : 3.0A			Оре			(Not dewed)	(Not dewed)	
	•		SPEC	IFICA	TION	S				
IT	EM		TEST METHOD				REQU	IREMENTS	QT	AT
CONSTR	UCTION	•			,					
General Examination			Visually and by measuring instrument.			Accord	ing to drawin	g.	×	×
Marking			Confirmed visually.						×	×
	C CHARAC							_		1
Contact Resistance		100 mA(DC or 1000Hz)				Signal Contact : $70m\Omega$ MAX. Power Contact : $20m\Omega$ MAX.			×	_
Insulation Resistance		Signal Contact : 100 V DC. Power Contact : 250 V DC 1				Signal Contact : 100 M $\Omega$ MIN. Power Contact : 1000 M $\Omega$ MIN. $1$			×	_
Voltage Proof		Signal Contact : 150 V AC for 1 min.  Power Contact : 600 V AC for 1 min.				No flashover or breakdown.			×	×
MECHAN	ICAL CHAF			/1\					×	_
Insertion and						Incortic	n Force:	27 N MAX /1\	×	1 _
Mithdrawal Forces		Measured by applicable connector.				Withdrawal Force: 3 N MIN.				_
Mechanical Operation		100 time	100 times insertions and extractions.			① Contact Resistance:			×	<u> </u>
							Signal Contact : 80m Ω MAX.  Power Contact : 30m Ω MAX.			
								ck and looseness of parts		
;		Frequen	Frequency 10 to 55 to 10Hz, approx 5min			No electrical discontinuity of 1 µs.			×	T -
		-	Single amplitude: 0.75 mm, 10 cycles for 3 axial directions.				damage, crad	ck and looseness of parts		
			490 m/s <sup>2</sup> , duration of pulse 11 ms at 3 times for 3 both axial directions.						×	-
ENVIRON	IMENTAL C	CHARAC	TERISTICS							
		Exposed	at 40±2 °C, 90 <b>~</b> 95 %	, 96 ł	n.	① Cor	ntact Resistar	nce:	×	_
(Steady state)							ignal Contac			
Rapid Change of Temperature		-	Temperature -55 → +85 °C			1 Power Contact : 30m Ω MAX. 2 Insulation Resistance:			×	-
remperature	<del>2</del>	Time	$30 \rightarrow 30 \text{ m}$ cycles.	nin.		_	diation Resist Signal Contac			
			n time to chamber : within 2~3 M	IIN)			Power Contac			
			(Notice and the Contained Living)			3 No damage, crack and looseness of parts.				
Cold		Exposed	Exposed at -55°C, 96 h			① Contact Resistance: Signal Contact: 80m Ω MAX.			×	-
Dry Heat		Exposed	Exposed at 85°C, 96 h			Power Contact : $30m \Omega$ MAX.			×	<u> </u>
		'				② No damage, crack and looseness of parts.				
			Exposed at 25±2°C, 75±5%RH, 25 PPM for 96 h.			① No defect such as corrosion which impairs			×	-
		(Test sta	ndard: IEC 68)			_	function of co			
						_	ntact Resistar			
							ower Contac			
Resistance to		1)Reflow	1)Reflow soldering :			No deformation of case of excessive			×	<u> </u>
Soldering Heat			Peak TMP : 260°CMAX			looseness of the terminal.				
			TMP: 220°CMIN for 60sec							
0 - 1 -1 1- 111			ing irons : 360°C MAX. for 5	sec.		Λ				
-			Soldered at solder temperature 240±3°C for immersion duration, 3 sec.			A new uniform coating of solder shall cover a minimum of 95 % of the surface being			×	_
			,			immers	sed.			
COUN	NT C	ESCRIPTI	ON OF REVISIONS		DESIG	NED		CHECKED	DA	TE
13		DIS-F-00000637 T			TS. 00	00N0		KN. SHIBUYA	15. 09. 09	
REMARKS			ure rise caused by current-carrying.			APPROVED		HS. OKAWA	14. 09. 02	
(2) "STORAGE" means a long-tope defore assembly to PCB.  Unless otherwise specified, reference deformation and the specified of the specified			A			CHECKED		KN. SHIBUYA	14. 09. 02	
							DESIGNED	TS. 00N0	14. 0	9. 02
						DRAWN		TS. 00N0	14.0	9. 02
Note QT:Q	ualification Te	est AT:As	surance Test X:Applicable Te	est	DR	RAWIN	IG NO.	ELC-353539-0	00-00	)
HIROSE E			CATION SHEET		PART NO.		FX23-60P-0. 5SV15			
HIR HIR		ROSE E	OSE ELECTRIC CO., LTD.		CODE NO.		CL573-3003-6-00			1/1

