APPLICA	BLE STAN	IDARD								
	Operating Temperature Range Voltage		-55 °C to 85 °C (1) Ter			orage mperature Range orage Humidity Range		-10 °C to	60 °C	(2)
Rating								Relative humidity 8	5% max	
	Current		Signal Contact: 0.5 A Power Contact: 3.0A			perating Humidity Range		(Not dewed)		
			SPEC	IFICA	TION	S				
IT	EM		TEST METHOD				REQU	IREMENTS	QT	AT
CONSTRI	UCTION									
General Exa	mination	Visually and by measuring instrument.				Accord	ling to drawing	g.	×	×
Marking		Confirmed visually.							×	×
	C CHARAC									
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 Ω MIN. Power Contact : 1000 M Ω 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	RACTERI	ISTICS	_						
Insertion and Withdrawal Forces		Measured by applicable connector.				Insertion Force: 27 N MAX.1 Withdrawal Force: 3 N MIN.				_
Mechanical Operation		100 times insertions and extractions.			① Contact Resistance:				<u> </u>	
						Signal Contact : 80m Ω MAX. 1 Power Contact : 30m Ω MAX. 2 No damage, crack and looseness of parts.				
Vibration		Frequency 10 to 55 to 10Hz, approx 5min Single amplitude : 0.75 mm, 10 cycles				 No electrical discontinuity of 1 μs. No damage, crack and looseness of parts. 			×	-
Shock		for 3 axial directions. 490 m/s ² , duration of pulse 11 ms at 3 times for 3 both axial directions.							×	-
ENI\/IR∩N	IMENITAL C		TERISTICS							
Damp Heat	IIII C	1	at 40±2 °C, 90 ~ 95 %	. 96 l	n.	① Cor	ntact Resistar	nce:	×	Τ-
(Steady state)		2xpccca at 10_2 c, cc cc 70, cc m			_	ignal Contact				
Rapid Change of		Temperature -55 → +85 °C				1 Power Contact : 30m Ω MAX.			×	T -
Temperature	e	Time		nin.		_	ulation Resist			
		under 5	,	UA I\			Signal Contac			
		(Relocation	(Relocation time to chamber : within 2~3 MIN)			1 Power Contact : 1000 MΩ MIN. 3 No damage, crack and looseness of parts.				
Cold		Exposed at -55°C, 96 h			① Contact Resistance: Signal Contact: 80m Ω MAX.			×	_	
Dry Heat		Evposed	Expand at 95°C 06 h			1 Power Contact: 30m Ω MAX.				-
Dry Fleat		Lxposed	Exposed at 85°C, 96 h			② No damage, crack and looseness of parts.				
Sulfur Dioxide		Exposed at 25±2°C, 75±5%RH, 25 PPM for 96 h.			No defect such as corrosion which impairs				 -	
			ndard: IEC 68) 🛕			the	function of co	onnector.		
							ntact Resistar			
Resistance to						Signal Contact : 80m Ω MAX. Power Contact : 30m Ω MAX. No deformation of case of excessive				
		1)Reflow	1)Reflow soldering :							+-
Soldering Heat			Peak TMP : 260°CMAX			looseness of the terminal.				
			TMP: 220°CMIN for 60sec							
0 11 1111			ing irons : 360°C MAX. for 5	sec.						
Solderability COUNT DI		Soldered at solder temperature 240±3°C for immersion duration, 3 sec. ESCRIPTION OF REVISIONS DESIG				A new uniform coating of solder shall cover a minimum of 95 % of the surface being			×	-
					immersed. CHECKED				TE	
13									+	
	(1) Include temper	erature rise caused by current-carrying.			TS. 00	APPROVED		KN. SHIBUYA HS. OKAWA)9. 09)7. 18
			term storage state for the unused pro	oduct			CHECKED			
	before assemb						KN. SHIBUYA	-	7. 18	
Unless otherwise specified, re			refer to IEC 60512			DESIGNED		TS. 00NO)7. 17
•								TS. 00N0 14. 07.		
					DF PART	RAWING NO.		ELC-353553-00-00 FX23-60S-0. 5SV		
I H 2 5			PECIFICATION SHEET							1/1
		OSE ELECTRIC CO., LTD.			CODE NO.		CL573-3203-5-00 /1			

