APPLICA	BLE STAN	IDARD									
Operating Temperature R		Range 2	-55 °C to 105 °C (1) Te		orage mperature Range			-10 °C to	60 °C	(2)	
Rating	Voltage Current		Power Contact : 200 V AC Signal Contact : 0.5 A			orage Humidity Range			Relative humidity 85%		
						perating Humidity Range			(Not dewed)		
	•		SPEC	IFICA	TION	S		•			
ΙT	ГЕМ		TEST METHOD				REQ	UIR	EMENTS	QT	ΑT
CONSTR	UCTION	•				,				.,	
General Examination		Visually and by measuring instrument.				Accord	ing to draw	ing.		×	×
Marking ELECTRIC CHARACT		Confirmed visually.								×	×
						lo: 1	0		1442/	1	т —
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				Signal Contact : $100 \text{ M}\Omega \text{ MIN}$. Power Contact : $1000 \text{ M}\Omega \text{ MIN}$.				×	-
Voltage Proof		Signal Contact : 150 V AC for 1 min.									×
		Power Contact : 600 V AC for 1 min.				No flashover or breakdown.				×	_
MECHAN	ICAL CHAR	RACTERI	STICS								
Insertion and Withdrawal Forces		Measured by applicable connector.				Insertion Force: 36 N MAX. Withdrawal Force: 4 N MIN.				×	
Mechanical Operation		100 times insertions and extractions.				① Contact Resistance:					<u> </u>
						Signal Contact : 80m Ω MAX.					
							ower Conta		30mΩ MAX.		
VCh and Chair		F				② No damage, crack and looseness of parts.① No electrical discontinuity of 1 μs.				_	
Vibration			Frequency 10 to 55 to 10Hz, approx 5min Single amplitude : 0.75 mm, 10 cycles					tinuity of 1 μs. and looseness of parts	×		
			al directions.	•		Z 110	damage, ci	iack c	ind looselless of parts	•	
Shock		490 m/s ² , duration of pulse 11 ms								×	_
			s for 3 both axial directions.								
	IMENTAL C		TERISTICS								_
Damp Heat (Steady state)		Exposed at 40±2 °C, 90 ~ 95 %, 96 h.			_	ntact Resist ignal Conta		: 80m Ω MAX.	×	-	
Rapid Change of		Temperature -55 → +85 °C				4	ower Conta		30m Ω MAX.	×	+-
Temperature		Time $30 \rightarrow 30$ min.				② Insulation Resistance:					
		under 5	cycles.			5	Signal Conta	act:	100 M Ω MIN.		
		(Relocation time to chamber : within 2~3 MIN)				Power Contact : $1000 \text{ M}\Omega \text{ MIN}$. 3 No damage, crack and looseness of parts.					
Cold Dry Heat		Exposed at -55°C, 96 h			① Contact Resistance:				×	<u> </u>	
						Signal Contact : 80m Ω MAX.					-
		Exposed at 105°C, 96 h			Power Contact : 30m Ω MAX. ② No damage, crack and looseness of parts.				. ×	-	
Sulfur Dioxide		Exposed at 25±2°C, 75±5%RH, 25 PPM for 96 h.			96 h.	No defect such as corrosion which impairs					+-
			(Test standard: IEC 68)				the function of connector.				
						_	ntact Resist				
							ignal Conta		80m Ω MAX.		
Resistance to		1)Reflow soldering :				Power Contact : $30m\Omega$ MAX. No deformation of case of excessive				×	\vdash
Soldering Heat		Peak TMP : 260°CMAX				looseness of the terminal.					
		Reflow	TMP: 220°CMIN for 60sec								
0 11 1111			ing irons : 360°C MAX. for 5	sec.			.,				_
Solderability		Soldered at solder temperature 240±3°C for immersion duration, 3 sec.				A new uniform coating of solder shall cover minimum of 95 % of the surface being				×	_
		240±3 C	Tor immersion duration, 5 s	ec.		immers		OI tile	s surface being		
COUNT DE		ESCRIPTION	SCRIPTION OF REVISIONS DESIG			GNED CHECKED				DA	ΛTE
<u>/</u> 2\ 2		DIS-	DIS-F-00002065 TS.			ONO			HT. YAMAGUCHI	17. 0	2. 02
REMARKS			ture rise caused by current-carrying.			APPROVI		ΞD	HS. OKAWA 1		8. 19
	(2) "STORAGE" m before assemb	•	erm storage state for the unused pro	oduct			CHECKE	D	KN. SHIBUYA	14. 0	8. 19
	201010 00001112	.,					DESIGNE	D	TS. 00N0	14. 0	8. 19
Unless otherwise specified, refe			efer to IEC 60512.			DRAWN		ı	TS. 00N0	14. 0	8. 19
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					DF	DRAWING NO. ELC			ELC-353561-	00-00)
שכ	S	SPECIFICATION SHEET			PART NO.		FX23-80S-0. 5SV10				
RS -		ROSE ELECTRIC CO., LTD.			CODE NO.		CL573-3304-2-00				1/1