APPLICA	BLE STAN	IDARD									
	Operating	\wedge	-55 °C +△ 105 °	o C (1)		rage			-10°C to 6	:∩ °C	(2)
	Temperature Range 2 Voltage Current		Signal Contact : 50 V AC			mperature Range			-10 °C to 60 °C (2)		
Rating			Power Contact : 200 V AC Signal Contact : 0.5 A			orage Humidity Range			Relative humidity 85% max (Not dewed)		
			Power Contact : 3.0A			perating Humidity Range					
	•	'	SPEC	IFICA	TION:	S					
IT	EM		TEST METHOD				REC	QUIR	REMENTS	QT	АТ
CONSTRU								-,			1
General Examination		Visually and by measuring instrument.				According to drawing.					×
Marking		Confirmed visually.									×
ELECTRIC CHARAC											
Contact Resistance		100 mA(DC or 1000Hz)				Signal Contact: 70m Ω MAX.				×	_
Insulation Resistance Voltage Proof		Signal Contact : 100 V DC.				Power Contact : $20m\Omega$ MAX. Signal Contact : $100 M\Omega$ MIN.				×	-
		Power Contact : 250 V DC				Power Contact : 1000 M Ω MIN.					
		Signal Contact : 150 V AC for 1 min.									×
		Power Contact : 600 V AC for 1 min.				No flashover or breakdown.					_
	CAL CHAR										
Insertion and		Measured by applicable connector.				Insertion Force: 18 N MAX.				×	_
Withdrawal Forces Mechanical Operation		100 times insertions and extractions.				Withdrawal Force: 2 N MIN.					
ivied la lical Operation		100 times insertions and extractions.				 Contact Resistance: Signal Contact: 80m Ω MAX. Power Contact: 30m Ω MAX. No damage, crack and looseness of parts. 				×	_
Vibration		Frequency 10 to 55 to 10Hz, approx 5min				 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			, duration of pulse 11 ms for 3 both axial directions.							×	_
ENVIRON	MENTAL C	HARACT	ERISTICS							1	1
Damp Heat		Exposed a	at 40±2 °C, 90 ~ 95 %,	, 96 h.		① Cor	ntact Resis	stance):	×	_
(Steady state)						Signal Contact: 80m Ω MAX.					
Rapid Change of		Temperature -55 → +85 °C				Power Contact : 30m Ω MAX. ② Insulation Resistance:				×	_
Temperature		Time		nin.		_			ce: 100 MΩ MIN.		
		under 5 cycles. (Relocation time to chamber : within 2~3 MIN)				Signal Contact : $100 \text{ M}\Omega \text{ MIN}$. Power Contact : $1000 \text{ M}\Omega \text{ MIN}$. 3 No damage, crack and looseness of parts.					
Cold		Exposed at -55°C, 96 h				① Contact Resistance:				×	-
Dry Heat	/2	Exposed at 105°C, 96 h				Power Contact : 30m Ω MAX.				×	-
Cultur Discide						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)				 No defect such as corrosion which impairs the function of connector. Contact Resistance: Signal Contact: 80m Ω MAX. 				×	_
Resistance to		1)Reflow	1)Reflow soldering :				Power Contact : 30m Ω MAX. No deformation of case of excessive				+-
Soldering Heat		Peak TMP : 260°CMAX Reflow TMP: 220°CMIN for 60sec				looseness of the terminal.					
Solderability			ng irons : 360°C MAX. for 5	sec.		Δ now	uniform of	natin ~	of solder shall sover a		1
Coldorability		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 immersed.				×	
COUNT		ESCRIPTION OF REVISIONS DESIGNATION DE SECONATION DESIGNATION DESI			DESIG					DA	TE
/2\ 2			F-00002065	TS. 00					HT. YAMAGUCHI	17. 02. 0	
REMARKS (1) Include temper		rature rise caused by current-carrying.				APPROVED			HS. OKAWA	14. 09. 0	
'	⁽²⁾ "STORAGE" m	eans a long-te	s a long-term storage state for the unused product			CHECKED			KN. SHIBUYA	14. 09. 0	
before assembly to PCB.			טק.			DESIGNED		ED	TS. 00N0	14. 09. 02	
Unless otherwise specified, refer			er to IEC 60512.			DRAWN			TS. 00N0	14. 09. 02	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				est	DRAW				ELC-353559-0		
שכ	S	SPECIFICATION SHEET			PART	NO. F		FX	X23-40S-0. 5SV10		
HS.	HIF	HIROSE ELECTRIC CO., LTD.			CODE	DE NO. CL573-3302-7-00			-3302-7-00	2	1/1