APPLICA	BLE STA	NDARD									
	Operating	o Pongo	55 °C +0 105 °C (1)			rage	n Panga	-10 °C to 6	-10 °C to 60 °C (2)		
Rating	Voltage  Current		Signal Contact : 50 V AC			emperature Range orage Humidity Range					
Railing			Power Contact : 200 V AC			Relative humidity 8  operating Humidity Range		% max			
			Power Contact : 3.0A								
			SPEC	<b>IFICA</b>	TION	S					
IT	EM		TEST METHOD				REQUI	REMENTS	QT	А٦	
CONSTRI	UCTION				<u> </u>		<u> </u>				
General Exa		Visually a	and by measuring instrument	t.		Accord	ing to drawing		×	×	
Marking			d visually.						×	×	
ELECTRIC	C CHARA	CTERISTI	CS								
Contact Resistance		100 mA(I	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 Co	Signal Contact : 150 V AC for 1 min.			No final access on boards decree				×	
=		Power Co	Power Contact : 600 V AC for 1 min.			No flashover or breakdown.				-	
MECHAN	ICAL CHA	RACTERI	STICS		<u>.</u>						
Insertion and Withdrawal Forces			Measured by applicable connector.			Insertion Force: 9 N MAX. Withdrawal Force: 1 N MIN.				-	
Mechanical Operation		100 times	100 times insertions and extractions.								
меспапісаі Орегаціон		100 times	100 times insertions and extractions.			<ul> <li>Contact Resistance:</li> <li>Signal Contact: 80m Ω MAX.</li> <li>Power Contact: 30m Ω MAX.</li> <li>No damage, crack and looseness of parts.</li> </ul>			×		
Vibration Shock			Frequency 10 to 55 to 10Hz, approx 5min Single amplitude : 0.75 mm, 10 cycles			① No electrical discontinuity of 1 μs.			×	-	
		for 3 axia	for 3 axial directions.  490 m/s <sup>2</sup> , duration of pulse 11 ms				② No damage, crack and looseness of parts.				
		at 3 times	s for 3 both axial directions.						×		
	IMENTAL	CHARAC	TERISTICS								
Damp Heat (Steady state)		Exposed	Exposed at 40±2 °C, 90 ~ 95 %, 96 h.			_	tact Resistan		×	-	
Rapid Change of Temperature		1 .	Temperature -55 → +85 °C			Power Contact : 30m Ω MAX.			×	-	
		l -	under 5 cycles. (Relocation time to chamber : within 2~3 MIN)				<ul> <li>Insulation Resistance:         Signal Contact: 100 MΩ MIN.         Power Contact: 1000 MΩ MIN.</li> <li>No damage, crack and looseness of parts.</li> </ul>				
		,									
Cold		Exposed	Exposed at -55°C, 96 h			① Contact Resistance: Signal Contact: 80m Ω MAX.					
Dry Heat		Exposed	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. (Test standard: IEC 68)			<ol> <li>No defect such as corrosion which impairs the function of connector.</li> <li>Contact Resistance: Signal Contact: 80m Ω MAX.</li> </ol>				-	
		(1001014									
							ower Contact				
Resistance to Soldering Heat			1)Reflow soldering : Peak TMP : 260°CMAX Reflow TMP: 220°CMIN for 60sec			No deformation of case of excessive looseness of the terminal.				-	
		2) Solderi	ng irons : 360°C MAX. for 5	sec.					L	1	
Solderability			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			×	_	
COUN	NT	DESCRIPTION	ON OF REVISIONS		DESIG	immers NED	sea.	CHECKED	DA	TE	
<u> </u>											
REMARKS	(1) Include temp	perature rise cau				APPROVED NH. NAKATA CHECKED HT. YAMAGUCHI DESIGNED TS. 00N0			17.0	4. 10	
		means a long-tombly to PCB.							17.0		
Linione of	orwice er	noified refer							17.0		
Unless otherwise specified, refer to IEC 60512.  Note QT:Qualification Test AT:Assurance Test X:Applicable Test					DE	DRAWN TS. 00N0  RAWING NO. ELC-358064-20			17.0 0 <b>–0</b> 0		
		SPECIFICATION SHEET			PART		FX23L-20S-0. 5SV (20)			•	
<b>HS</b>		HIROSE ELECTRIC CO., LTD.			CODE NO.		CL573	73-2301-9-20			
ENDM HDAA11		·					120.0 200. 0 20			1/1	