APPLICA	BLE STAN	DARD								
	Operating Temperature Range Voltage		-55 °C to 85 °C (1) Ter			orage emperature 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				erating Humidity Range (Not dewed			1	
			SPEC	IFIC/	NOITA	S				
IΤ	EM		TEST METHOD				REQU	IREMENTS	QT	AT
CONSTR	UCTION									
General Examination		Visually and by measuring instrument.				Accord	ing to drawin	g.	×	×
Marking		Confirmed visually.							×	×
ELECTRIC CHARACT Contact Resistance						lo: 1	0 / / 70	0.1447		_
		100 mA(DC or 1000Hz) Signal Contact : 100 V DC.				Signal Contact : $70m\Omega$ MAX. Power Contact : $20m\Omega$ MAX.			×	
Insulation Resistance		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 CHAR			/1\					×	
Insertion and						Incortic	n Force:	54 N MAX,/1\	×	Т
Withdrawal Forces		Measured by applicable connector.			Insertion Force: 54 N MAX 1 Withdrawal Force: 6 N MIN.					
Mechanical Operation		100 times insertions and extractions.			① Contact Resistance:			×	 -	
						_ Signal Contact : 80m Ω MAX.				
							ower Contac			
		_					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. 			_
			al directions.	5		(2) NO	damage, crad	ck and looseness of parts	•	
Shock		490 m/s ² , duration of pulse 11 ms							×	
			es for 3 both axial directions.							
ENVIRON	IMENTAL C		TERISTICS							
Damp Heat		Exposed at 40±2 °C, 90 ~ 95 %, 96 h.			_	ntact Resistar		×	_	
(Steady state)						ignal Contac			_	
Rapid Change of Temperature		Tempera Time	Temperature $-55 \rightarrow +85 ^{\circ}\text{C}$ Time $30 \rightarrow 30 \text{ min.}$			_1\Power Contact : 30m Ω MAX. ② Insulation Resistance:			×	_
remperature		_	$30 \rightarrow 30 \text{ m}$ 5 cycles.	III I.		_	Signal Contac			
			n time to chamber : within 2~3 M	IIN)		/ı̂\ F	Power Contac	t: 1000 MΩ MIN.		
						③ No damage, crack and looseness of parts.				
Cold		Exposed at -55°C, 96 h			① Contact Resistance:			×	_	
Dry Hoot		E				Signal Contact : $80m \Omega$ MAX. Power Contact : $30m \Omega$ MAX.				_
Dry Heat		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 the function of connector. Contact Resistance:				+-	
		(Test standard: IEC 68) 1								
						_ ^	ignal Contac			
Resistance to		1)Reflow soldering :				1 Power Contact: 30m Ω MAX. No deformation of case of excessive				+
Soldering Heat		Peak TMP : 260°CMAX					ess of the ter		×	
			TMP: 220°CMIN for 60sec							
		2) Solder	ring irons : 360°C MAX. for 5	sec.						
Solderability		Soldered at solder temperature			A new uniform coating of solder shall cover a minimum of 95 % of the surface being				_	
		240±3°C	of for immersion duration, 3 se	ec.		immers		the surface being		
COUN	NT D	DESCRIPTION OF REVISIONS DESIGNATION DE SECURITARION DESIGNATION DESIGNATION DESIGNATION DE SECURITARION DE SECURITARION DE SECURITARION DESIGNATION DE SECURITARION D				GNED CHECKED				ATE
Α	VI D							KN. SHIBUYA		
13 REMARKS (1) Include tempera		DIS-F-0000640 TS. (ature rise caused by current-carrying.			APPROVED			15. 09. 09 14. 09. 02		
			term storage state for the unused pro	oduct			CHECKED	HS. OKAWA KN. SHIBUYA		
	before assemb	ly to PCB.					DESIGNED	<u> </u>		09. 02
Unless otherwise specified,			ed refer to IEC 60512				DRAWN	TS. 00NO		09. 02
										09. 02 0
						RAWING NO. ELC-353549-00 NO. FX23-120P-0. 5SV20				<u>, </u>
HS		SPECIFICATION SHEET			PART NO.					
	HIR	HIROSE ELECTRIC CO., LTD.			CODE	NO.	CL573-3106-9-00		<u>/1\</u>	1/1

