APPLICA	BLE STA	NDARD								
	Operating Temperature Range					torage emperature Range		-10 °C to	60 °C	(2)
Rating	Voltage		Signal Contact : 50 V AC Power Contact : 200 V AC			itorage Humidity Range Relative humidity		Relative humidity 85	% max	
	Current		Signal Contact : 0.5 A Power Contact : 3.0A					(Not dewed)		
			SPEC		TION	<u>S</u>				
IT	EM		TEST METHOD	11 10/	ITIOIN		RE∩I	JIREMENTS	QT	АТ
CONSTRI			TEOT METHOD				rilac	JII (LIVILIATO	Q.	/ \ '
General Examination		Visually ar	Visually and by measuring instrument.				According to drawing.			×
Marking		Confirmed	Confirmed visually.						×	×
ELECTRIC CHARAC										
Contact Resistance Insulation Resistance Voltage Proof		100 mA(D	100 mA(DC or 1000Hz)			Signal Contact : $70m\Omega$ MAX. Power Contact : $20m\Omega$ MAX.			×	-
			Signal Contact : 100 V DC. Power Contact : 250 V DC				Signal Contact : 100 MΩMIN.			-
			Signal Contact : 150 V AC for 1 min.				Power Contact : 1000 M Ω MIN.			
			Power Contact : 600 V AC for 1 min.				No flashover or breakdown.			
MECHAN	ICAL CHA	RACTERIS				i			- 1	1
Insertion and		Measured	Measured by applicable connector.			Insertion Force: 9 N MAX.				_
Withdrawal F		100 #	100 times insertions and advertises			Withdrawal Force: 1 N MIN.				
Mechanical Operation		100 times	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		Single am	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		490 m/s ² ,	for 3 axial directions. 490 m/s ² , duration of pulse 11 ms at 3 times for 3 both axial directions.				1			
FNVIRON	IMENITAL (ERISTICS							
Damp Heat	IIVILIVITAL V		t 40±2 °C, 90 ~ 95 %;	. 96 ł	n.	① Cor	ntact Resista	nce:	×	l –
(Steady state)		'				Signal Contact: 80m Ω MAX.				
Rapid Change of Temperature			Temperature $-55 \rightarrow +85$ °C Time $30 \rightarrow 30$ min. under 5 cycles.				Power Contact : 30m Ω MAX. ② Insulation Resistance: Signal Contact : 100 MΩ MIN.			_
			(Relocation time to chamber : within 2~3 MIN)				Power Contact : 1000 MΩ MIN. 3 No damage, crack and looseness of parts.			
Cold		Exposed a	Exposed at -55°C, 96 h				① Contact Resistance: Signal Contact: 80m Ω MAX.			-
Dry Heat		Exposed a	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.			No defect such as corrosion which impairs				_
		(Test stand	(Test standard: IEC 68)				the function of connector. ② Contact Resistance: Signal Contact: 80m Ω MAX.			
						Р	ower Contac	t: 30mΩ MAX.		
Resistance to Soldering Heat			1)Reflow soldering : Peak TMP : 260°CMAX			No deformation of case of excessive looseness of the terminal.			×	-
			IP: 260°CMAX FMP: 220°CMIN for 60sec			looseness of the terminal.				
			ng irons : 360°C MAX. for 5	sec.						
Solderability		Soldered a	Soldered at solder temperature				A new uniform coating of solder shall cover a ×			
		240±3°C	for immersion duration, 3 se	ec.		minimu immers		f the surface being		
COUN	I TI	DESCRIPTIO	N OF REVISIONS		DESIG	NED		CHECKED	DA	TE
<u>/</u> 2\ 2					TS. 00	S. 00NO		HT. YAMAGUCHI	17. 0	2. 01
REMARKS	(1) Include tempe	erature rise caus	•			APPROVED		HS. OKAWA	14. 0	9. 02
	before assem	_					CHECKED		14. 0	
							DESIGNED		14. 0	
			ied, refer to IEC 60512.					TS. 00N0	14.0	
Note QT:Q		est AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-353537-00-00		
HS.		SPECIFICATION SHEET HIROSE ELECTRIC CO., LTD.			PART			FX23-20P-0. 5SV1	^	1/4
FORM HD0011		NUSE EL	EUTNIU UU., LTD.		CODE	NO.	UL5/	3-3001-0-00	<u>/2\</u>	1/1