Applicab	le standard								
	Operating Temperature Range		-55 to +105°C (Note1)	Stora	Storage Temperature Range		-10 °C to +60°C (Note3))
Rating	Operating Humidity Range		20% to 80% (Note2)	Stora	ge Humio	dity Range	40% to 70% (Note3)		
	Applicable Connector		DF51%-7S-2C(##)	Curre	Current		AWG 30:0.5A		
							AWG 28 : 1A		
Voltage							AWG 22-26 : 2A		
				UL·	, ,		30V AC/DC		
	, and the second		250 V AC/DC	Rating			2.0A		
			Specifica	tions					
	Item		Test method			Requ	irements	QT	АТ
Construc	ction	1			I.				
General Examination		Visually and by measuring instrument.			According to drawing.				X
Marking Electric Characteristics		Confirmed visually.							Х
Electric (Characteristics	1	•		L				
Contact Resistance A		20mV MAX, 1mA (DC or 1000Hz).			30 mΩ MAX.				_
Millivolt Le	vel Method 1								
Insulation Resistance		500 V DC.			1000 MΩ MIN.				_
Voltage Proof		650 V AC for 1 min.			No flashover or breakdown.				_
Mechani	cal Characteris	stics							
Mechanical Operation		50 times insertion and extraction.			1.No damage, crack or looseness of parts.				_
(An Plating		It to be a section of	Consider the conformation of		4 1		00.711.844.1/	V	
Force	d unmating	it takes out and	inserts with a conformity conn	ector.		ion Force : ction Force :		X	_
(Au Plating	a)				Z.ZXIIG		0.1 1		
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at			1.No electrical discontinuity of 1 μ s.				_
		10 cycles for 3 direction.					r looseness of parts.		
Shock		Acceleration 49	0 m/s ² duration of pulse 11 ms	at 3				Χ	_
		times for 3 direc	ctions.						
Environn	nental Charact	eristics						•	•
Damp Hea			\pm 2°C , humidity 90 to 95 %,				e: 500 MΩ MIN.	X	_
(Steady St	,	,	ne room temperature for 1 to 2h	1.)	2.No da	amage, crack o	r looseness of parts.		
Rapid Change Of		Temperature -55°C→ +105°C			1.Insulation resistance: 1000 MΩ MIN.				_
Temperatu	ire	Time Under 5 Cycles	30min→ 30min		2.No da	amage, crack o	r looseness of parts.		
			ng time of the tank is 2 to 3 MII	N)					
			ne room temperature for 1 to 2h						
Dry Heat			105±2°C, 96h	,	1			X	<u> </u>
Cold			-55±3°C, 96h		1			X	_
Remarks			·		1			•	
NI-t- 4. L.		the state of the s							

Note 1: Include the temperature rising by current. Note 2:No condensing

Note 3:Apply to the condition of long term storage for unused products before pcb on board, after pcb board, operating temperature and humidity range is applied for interim storage during transportation.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED		CHECKED	DATE
1	2	DIS-H-00017930	KI. SUGAWARA		SZ. ONO	20230711
			APPROVE	SJ. OKAMURA	20221024	
			CHECKED	TT. OHSAKO	20221024	
			DESIGNED	KI. SUGAWARA	20221021	
Unles	s otherwise	e specified, refer to IEC 60512.		DRAWN	KI. SUGAWARA	20221021
Note	QT:Qualifi	ication Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-398779-00-00	
Н	ড 🗆	SPECIFICATION SHEET	PART NO.		DF51B-7EP-2A	
11.	~ [HIROSE ELECTRIC CO., LTD.	CODE NO.	CL05	43-5132-0-00	2/1