Applica	able standard								
D ::	Operating Temperature Range		-55°C to +85°C (Note1)		Storage Temperature Range		-10 °C to +60°C (Note3)		3)
Rating	Operating Humidity Range		20% to 80% (Note2)		Storage Humidity Range		40% to 70% (Note3)		3)
	Voltage		50 V AC/DC		Applic	able Connector	DF53-10S-0.6H(##)		
		ent A		AWG 32 : 0.7A	Applic	able Contact	DF53-32S0	32SCF	
			Any of 2 pins as a power	AWG 32 : 1.3A(power)				
			S	Specification	ns				
Item		Test method			Requirements			АТ	
Construc	ction	1				•		X	
General Examination		Visually and by measuring instrument.			According to drawing.			Х	
Marking		Confirmed vis	sually.					Х	Х
Electric (Characteristics	1				1			1
	Resistance 100 V DC. 100 MΩ MIN.			X	_				
Voltage Proof		200 V AC for 1 min.			No flashover or breakdown.			_	
	cal Characteris							Х	
Mechanical Operation		20 times insertion and extraction.			No damage, crack or looseness of parts.			_	
Mating and unmating Force		It takes out and inserts with a conformity connector.				1.Insertion Force : 18.2N MAX. 2.Extraction Force : 3.1N MIN.			_
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.				No damage, crack or looseness of parts.			_
Shock		Acceleration 500 m/s² duration of pulse 11 ms at 3				=		Х	_
		times for 3 di		,					
Contact ex	traction force	Pull out the c	able after housing	fixation.		3N MIN		Х	_
Environn	nental Charact	eristics				-			
Damp Hea (Steady St			$0~\pm~2^{\circ}\text{C}$, humidi the room tempera		h.	1.Insulation resistance: 2.No damage, crack or		Х	_
Rapid Change Of Temperature		Temperature -55°C→ +85°C Time 30min→ 30min Under 5 Cycles. (The transferring time of the tank is 2 to 3 MIN) (After leaving the room temperature for 1 to 2h.)			 Insulation resistance: 100 MΩ MIN. No damage, crack or looseness of parts. 			_	
Dry Heat		Exposed at						X	_
Cold		Exposed at	-55±3°C, 96h					Х	_
Remarks									

- Note 1: Include the temperature rising by current.

 Note 2: No condensing. Apply to the condition of long term storage for unused products before harness assembly.

 Note 3: Applicable to unused product packaging.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED		CHECKED	DATE
1	1	DIS-H-00019500	JN. TONAI		SZ. ONO	20231120
				APPROVE	D SJ. OKAMURA	20230728
				CHECKED	SZ. ONO	20230728
				DESIGNED	JN. TONAI	20230728
Unless	otherwise	specified, refer to IEC 60512.		DRAWN	JN. TONAI	20230728
Note	QT:Qualifi	ication Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-380637-00-00	
Н	25	SPECIFICATION SHEET	PART NO.		DF53-10P-0. 6C	
11.0		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL06	68-1019-0-00	↑ 1/1