Applica	able standard								
Rating	Operating Temperature Range		-55°C to +85°C (Note1)		Storage Temperature Range		-10 °C to +60°C (Note3)		
	Operating Humidity Range		20% to 80% (Note2)		Storage Humidity Range		40% to 70% (Note3)		
	Voltage		50 V AC/DC		Applicable Connector		DF53-12S-0.6H(##)		
			All pin	AWG 32 : 0.7A	Applic	able Contact	DF53-32SC	DF53-32SCF	
	Current		Any of 2 pins as a power	AWG 32 : 1.3A(: 1.3A(power), 0.5A(signal)				
	•		S	pecification	ns				
Item			Test method			Requirements			AT
Construc	tion					•			
General Examination V		Visually and by measuring instrument.			According to drawing.			Х	
Marking		Confirmed visually.						Х	
Electric (Characteristics							ΙX	
Insulation Resistance		100 V DC.				100 MΩ MIN.			_
Voltage Proof		200 V AC for 1 min.				No flashover or breakdown.			_
	cal Characteris							X	
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 : 19.6N MAX. 2.Extraction Force : 3.6N 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/s ² duration of pulse 11 ms at 3 times for 3 directions.						Х	_
Contact ex	traction force		able after housing	fivation		3N MIN		Х	_
	nental Charact		able after floasing	iixaliori.		OIV IVIIIV			l
Damp Heat (Steady State)		Exposed at 40 ± 2°C , humidity 90 to 95 %, 96 h. (After leaving the room temperature for 1 to 2h.)				1.Insulation resistance: 100 MΩ MIN. 2.No damage, crack or looseness of parts.			_
Rapid Chai Temperatu	-	Time Under 5 Cycl (The transfe (After leaving	rring time of the ta the room tempera			Insulation resistance: No damage, crack or		Х	_
Dry Heat			85±2°C, 96h					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
	0					
				APPROVE	ED SJ. OKAMURA	20231228
				CHECKE	D SZ. ONO	20231228
				DESIGNE	JN. TONAI	20231227
Unless	otherwise	specified, refer to IEC 60512.		DRAWN	JN. TONAI	20231227
Note (QT:Qualific	cation Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-380638-00-00	
R	5	SPECIFICATION SHEET	PART NO.		DF53-12P-0. 6C	
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0668-1020-0-00		<u>/</u> 2/1