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		DF53-20S-0.6H(##)		
			All pin	AWG 32 : 0.7A	Applic	able Contact	DF53-32SC	F	
	Current		Any of 2 pins as a power	AWG 32 : 1.3A(power), 0.5A(signal)					
			S	pecification	ns				
Item			Test method			Requirements			AT
Construc	tion	I.							l
General Examination Vis		Visually and I	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 Pro		200 V AC for 1 min.				No flashover or breakdown.			_
	cal Characteris	stics							
		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 : 25.2N MAX. 2.Extraction Force : 5.6N 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 <sup>2</sup> duration of pulse 11 ms at 3 times for 3 directions.						Х	_
Contact ex	traction force		able after housing	fixation		3N MIN		Х	_
	nental Charact		<u> </u>			<u> </u>			I
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 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.)				<ol> <li>Insulation resistance: 100 MΩ MIN.</li> <li>No damage, crack or looseness of parts.</li> </ol>			_
Dry Heat		<u> </u>	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
$\triangle$	0					
				APPROVE	SJ. OKAMURA	20231228
				CHECKE	D SZ. ONO	20231228
				DESIGNE	JN. TONAI	20231227
Unless	otherwise	e specified, refer to IEC 60512.		DRAWN	JN. TONAI	20231227
Note (	QT:Qualif	ication Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-380642-00-00	
KS	15	SPECIFICATION SHEET	PART NO.		DF53-20P-0.6C	
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CLO	668-1024-0-00	<u></u> ∕∆ 2/1