Applica	able standard								
	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)		
	Voltage		50 V AC/DC A		Applic	able Connector	DF53-3S-0.6H(##)		
			All pin	AWG 32 : 0.7A	Applicable Contact DF53-32			SCF	
	Current		Any of 2 pins as a power	AWG 32 : 1.3A(power), 0.5A(signal)					
	•		S	Specification	ns				
	Item		Test method			Requirements		QT	АТ
Construc	ction					1			
General E	xamination	Visually and by measuring instrument.			According to drawing.			Х	
Marking		Confirmed visually.			_			Х	
Electric	Characteristics								
Insulation Resistance		100 V DC.			100 MΩ MIN.			_	
Voltage Proof		200 V AC for 1 min.				No flashover or breakdown.			_
	ical Characteris	stics							
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 : 13.2N MAX. 2.Extraction Force : 1.4N MIN.			_	
Vibration		Frequency 10 10 cycles for) to 55 Hz, single a 3 direction.	amplitude 0.75 mr	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	_
		Pull out the cable after housing fixation. 3N MIN						Х	_
Environr	mental Charact		<u></u>			L ⁻		1	1
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 M Ω 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.)			Insulation resistance: No damage, crack or		X	_	
Dry Heat			85±2°C, 96h					Х	_
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.

	COUN	T DESCRIPTION OF REVISIONS	DESIGNED		CHECKED	DATE	
\triangle 1	1	DIS-H-00019500	JN. TONAI	JN. TONAI		20231120	
			APPROVE	D SJ. OKAMURA	20230728		
			CHECKED	SZ. ONO	20230728		
			DESIGNED	JN. TONAI	20230728		
Unles	s otherwi	se specified, refer to IEC 60512.		DRAWN	JN. TONAI	20230728	
Note	QT:Qua	lification Test AT:Assurance Test X:Applicable Te	st DRAWING	DRAWING NO.		ELC-380632-00-00	
Н	ড -	SPECIFICATION SHEET	PART NO.		DF53-3P-0. 6C		
▎▋▙		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0668-1014-0-00		1/1	