Applica	able standard								
Rating	Operating Temperature Range		-55°C to +85°C (Note1)		Storage Temperature Range		-10 °C to +60°C (Note3)		3)
	Operating Humidity Range		20% to 80% (Note2)		Storage Humidity Range		40% to 70% (Note3)		3)
	Voltage		50 V AC/DC App		Applic	able Connector	DF53-4S-0.6H(##)		
			All pin	AWG 32 : 0.7A	Applic	able Contact	DF53-32S0	DF53-32SCF	
	Current		Any of 2 pins as a power	AWG 32 : 1.3A	1.3A(power), 0.5A(signal)				
	1			Specification	ns				
	Item		Test meth	•		Require	ments	QT	АТ
Constru	ction	1							
General Examination  Marking  Electric Characteristics		Visually and by measuring instrument.				According to drawing.			Х
Marking		Confirmed visually.						Х	Х
Electric	Characteristics	}						ΙX	
Insulation Resistance		100 V DC.				100 MΩ MIN.			_
Voltage Proof		200 V AC for 1 min.				No flashover or breakdown.			_
Mechan	ical Characteris	stics							
Mechanical Operation		20 times insertion and extraction.				No damage, crack or looseness of parts.			_
Mating and Force	d unmating	It takes out a	nd inserts with a c	onformity connec	or.		3.9N MAX. 1.7N MIN.	Х	_
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		·	500 m/s <sup>2</sup> duration	of nulse 11 ms at	3	_		Х	_
Onook		times for 3 di		or paloe 11 mo at	Ü				
Contact ex	xtraction force		able after housing	fixation.		3N MIN		Х	_
Environr	mental Charact		<u></u>			I -		Į.	<u> </u>
Damp Hea	at	Exposed at 4	0 ± 2°C , humidi	ty 90 to 95 %, 96	h.	1.Insulation resistance:	100 MΩ MIN.	Х	_
(Steady State)		(After leaving the room temperature for 1 to 2h.)			2.No damage, crack or	looseness of parts.			
Rapid Cha Temperatu	-	Time Under 5 Cycl (The transfe	rring time of the ta			Insulation resistance:     No damage, crack or		Х	_
Dry Heat		(After leaving the room temperature for 1 to 2h.)  Exposed at 85±2°C, 96h				1		Х	_
Cold		Exposed at				-		X	_
Remarks		1				1			

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	DIS-H-00019500	JN. TONAI		SZ. 0N0	20231120	
			APPROVE	D SJ. OKAMURA	20230728		
			CHECKED	SZ. ONO	20230728		
			DESIGNED	JN. TONAI	20230728		
Unles	s otherwis	se specified, refer to IEC 60512.		DRAWN	JN. TONAI	20230728	
Note	QT:Qual	ification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-380633-00-00		
н	ড	SPECIFICATION SHEET	PART NO.		DF53-4P-0. 6C		
▎▋▙		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0668-1015-0-00		1/1	