Applica	able sta	Indard												
	Operating Temperature Range			-55°C to +85°C (Note1) Stor			Storage	orage Temperature Range			-10 °C to +60°C (Note3)			
Rating	Operating Humidity Range			20% to 80% (Note2)			Storage Humidity Range				40% to 70% (Note3)			
	Voltage			50 V AC/DC			Applicat	Applicable Connector			DF53-18S-0.6H(##)			
	Current			All pin	AWG 32 : 0.7A Applic			cable Contact			DF53-32SCF			
l				Any of 2 pins as a power	AWG 32 : 1.3A(power), 0.5A(signal)									
				•	Specific	atic	ns							
	Item			Test meth					Reg	uirem	ents	QT	AT	
Construction						I								
General Examination		Visually and b	rument.	nent.			According to drawing.			Х	Х			
Marking		Confirmed visually.									Х	Х		
Electric (
Insulation Resistance			100 V DC.					100 MΩ MIN.				X	_	
Voltage Proof		200 V AC for 1 min.					No flashover or breakdown.					-		
Mechani							•						1	
Mechanical Operation		20 times insertion and extraction.					No damage, crack or looseness of parts.				X			
Mating and unmating Force			It takes out and inserts with a conformity connector.				2	1.Insertion Force23.8N MAX.2.Extraction Force5.1N MIN.				Х	-	
Vibration			Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.					lo da	mage, crack o	or loos	seness of parts.	Х	-	
Shock			Acceleration 500 m/s ² duration of pulse 11 ms at 3									Х	-	
Contact extraction force			times for 3 directions. Pull out the cable after housing fixation.					3N MIN					-	
Environr				3			-							
Damp Heat (Steady State)			Exposed at 40 \pm 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.				Х	-	
Rapid Change Of		Temperature $-55^{\circ}C \rightarrow +85^{\circ}C$ Time $30min \rightarrow 30min$ Under 5 Cycles.						ulation resista			Х	—		
Temperature							2. No damage, crack or looseness of parts.							
			(The transferring time of the tank is 2 to 3 MIN) (After leaving the room temperature for 1 to 2h.)											
Dry Heat			Exposed at 85±2°C, 96h									Х	-	
Cold		Exposed at -55±3°C, 96h									Х	—		
Note 3: Ap	plicable 1	o unused	product packa	iging.							-			
\wedge	COUNT		DESCRIPTION OF REVISIONS			DESI				CHECKED		D	ATE	
$\sqrt{0}$	0									-				
									APPROVED	2	SJ. OKAMURA	-	23122	
									CHECKED)	SZ. ONO	202	231228	
									DESIGNED)	JN. TONAI	202	23122	
Unless otherwise specified, refer to IEC 60			512.				DRAV		JN. TONAI		202	23122		
Note QT:Qualification Test AT:Assurance				e Test X:Applicable Test DR			DRAW	AWING NO.			ELC-380641-00-00			
RS		SPE	ECIFICAT	ION SHEET P			ART NO.			DF53-18P-0.6C				
HIROSE ELEC				RIC CO., L	TD. CODE			0	CL0668-1023-0-00		⋒	2/1		

CODE NO.