Applica	able standard							
Detien	Operating Temperature Range		-55°C to +85°C (Note1)	Storage 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	Applio	cable Connector	DF53#-*P-0.6C		
	Current			Applica	able cable	AWG32		
			1.3A/pin	Insulat	tion diameter	Ф0.4mm MAX		
	•		Specificat	ions				
	Item		Test method		Require	ments	QT	AT
Construc	ction	-						
General Examination		Visually and by measuring instrument.			According to drawing.		X	Х
Marking		Confirmed visually.			_		X	Х
Electric	Characteristics		•		1			1
Contact resistance		20mV MAX, 1mA (DC or 1000Hz).			40 mΩ MAX.		Х	_
Millivolt level method			,					
Mechani	ical Characteri	stics			•			1
Mechanical operation Vibration		20 times insertion and extraction.			1. Contact resistance: 40 mΩ MAX.		Х	_
					2. No damage, crack or looseness of parts.			
		Frequency 10 to 55 Hz, single amplitude			1. No electrical discontinuity of 1µs.			_
Ola a alla		0.75 mm, at 10 cycles for 3 direction.			2. No damage, crack or looseness of parts.			
Shock		500 m/s2 duration of pulse 11 ms at 3 times each for 3 both axial directions.			 No electrical discontinuity of 1µs. No damage, crack or looseness of parts. 			_
		Measuring the strength of fixing the housing and pulling 3 N MIN.						
		the wire.			, 0 11 1111111		X	
Environr	mental Charact	teristics						
Damp Heat		Exposed at 40 ± 2°C, humidity 90 to 95 %, 96 h.			1. Contact resistance: 40 mΩ MAX.			_
(Steady State)		(After leaving the room temperature for 1 to 2h.)		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.)			 Contact resistance: 40 mΩ MAX. No damage, crack or looseness of parts. 		X	_
			85±2°C, 96h				Х	_
Cold		Exposed at	-55±3°C, 96h				X	_
Remarks								

Remarks
Note 1: Include the temperature rising by current.
Note 2: No condensing.
Note 3: Applicable to unused product packaging.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED		CHECKED	DATE	
\triangle 1	1	DIS-H-00019500		SZ. ONO	20231120		
				APPROVE	SJ. OKAMURA	20210114	
				CHECKE	D TT. OHSAKO	20210114	
			DESIGNE	TH. SATO	20210113		
Unles	s otherwise	e specified, refer to IEC 60512.		DRAWN	TH. SATO	20210113	
Note	QT:Qualit	fication Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-380643-00-00		
Н	ড _	SPECIFICATION SHEET	PART NO.		DF53-32PCF		
▮₽₽		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL06	668-1025-0-00	1/1	