Applicab	le standard								
- ' '	Operating Temperature Range		-55 to +105°C (Note1)	Storage Temperature Range		erature Range	-10 °C to +60°C (Note3)		
Rating	Operating Humidity Range		20% to 80% (Note2)			dity Range	40% to 70% (Note3)		
3	Applicable Connector		DF51%-6DS-2C(##)	Current		, 0	AWG 24 : 2.0A		
	, ipplicable Collinoite.		2. 0. % 020 20()				AWG 26 : 1.5A		
	Applicable Contact		DF11-EP2428PC(A)/PCF(A)	1			AWG 28 : 1.0A		
	- Francis Contract		2 2. 2 . 20. 3(. 1). 3. (. 1)	UL · C-UL Voltage			30 V AC/DC		
	Voltage		250 V AC/DC	Poting		Current	AWG 24 to 28 : 1.0A		
	voitage		Specifications					1.07	
								QT	AT
Item Construction			rest method			Requirements			
		VCII				Para ta dana da a		Χ	Х
General Ex	kamination	Visually and by measuring instrument.			According to drawing.			X	X
Marking	Characteristics	I	Confirmed visually.					^	_^_
		<u>3</u>						Х	I
	Insulation Resistance		500 V DC.			1000 MΩ MIN.			_
Voltage Pro			0 V AC for 1 min.			No flashover or breakdown.			
	cal Characteris		an and autocation		امام ما		A	V	ı
Mechanical Operation (Sn Plating)		30 times insertion and extraction.			No damage, crack or looseness of parts. 🖄			Х	_
Mechanical Operation		50 times insertion and extraction.						Х	_
(Au Plating)		o umo monto mana omiaduom							
Mating and unmating		It takes out and inserts with a conformity connector.			1.Insertion Force : 32.2N MAX.				_
Force					2.Extraction Force: 1.7N MIN.				
(Sn Plating)		It takes out and inserts with a conformity connector.			1.Insertion Force : 23.1N MAX.				
Mating and unmating Force		it takes out and inserts with a comornity connector.			2.Extraction Force: 1.5N MIN.				
(Au Plating)									
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at			No damage, crack or looseness of parts. 🖄				_
		10 cycles for 3 direction.							
Shock		Acceleration 490 m/s ² duration of pulse 11 ms at 3						X	_
		times for 3 direc	ctions.					X	
Contact extraction force Pull out the		Pull out the cab	able after housing fixation.			11.8N MIN			
	nental Characte							Х	
Damp Heat		Exposed at 40 \pm 2°C , humidity 90 to 95 %, 96 h.			1.Insulation resistance: 500 MΩ MIN. 3				_
(Steady State)		(After leaving the room temperature for 1 to 2h.)			2.No damage, crack or looseness of parts.				
	Rapid Change Of		Temperature -55°C→ +105°C			1.Insulation resistance: 1000 MΩ MIN. Δ3 2.No damage, crack or looseness of parts.			
Temperature		Time 30min→ 30min Under 5 Cycles.			z.ino u	amage, 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 105±2°C, 96h						Χ	_
Cold		Exposed at -55±3°C, 96h						Χ	
Remarks									

Note 1:Include the temperature rising by current. Note 2:No condensing

Note 3:Apply to the condition of long term storage for unused products before mount on pcb,

After mounted on pcb, operating temperature and humidity range is applied for interim storage during transportation.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED		CHECKED	DATE
$\sqrt{3}$	6	DIS-H-00004571		SZ. ONO	20190110	
			APPROVE	HS. OKAWA	20160601	
			CHECKE	D YN. TAKASHITA	20160601	
			DESIGNE	TT. OHSAKO	20160601	
Unles	s otherwise	e specified, refer to IEC 60512.		DRAWN	TT. OHSAKO	20160601
Note	QT:Qualifi	ication Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-366283-0	0-00
н	ও –	SPECIFICATION SHEET	PART NO.		DF51-6DEP-2C	
4 6		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL543-5072-0-00		3 √1/1