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)	Storage	Humi	dity Range	40% to 70% (Note3)			
3	Applicable Connector		DF51%-28DS-2C(##)	Current			AWG 24 : 2.0A		,	
	Applicable Contact		,				AWG 26 : 1.5A			
			DF11-EP2428PC(A)/PCF(A)				AWG 28 : 1.0A			
				UL · C-UL Voltage			30 V AC/DC			
	Voltage		250 V AC/DC	Rating		Current	AWG 24 to 28 : 1.0A			
	Specifications									
Item			Test method		Requirements			QT	AT	
Construc	Construction									
General Examination		Visually and by measuring instrument.			According to drawing.			Χ	Х	
Marking	Marking		Confirmed visually.			1				
Electric (Characteristics	<u> </u>								
Insulation Resistance		500 V DC.			1000 MΩ MIN.			X	_	
Voltage Pr	Voltage Proof		650 V AC for 1 min.			No flashover or breakdown.			_	
Mechani	cal Characteris	stics								
Mechanical Operation		30 times insertion and extraction.			No damage, crack or looseness of parts. 🖄			X	_	
(Sn Plating)		E0 times insertion and outrestion						X		
Mechanical Operation (Au Plating)		50 times insertion and extraction.						^	_	
Mating and unmating		It takes out and inserts with a conformity connector.			1.Insertion Force : 120.2N MAX.				_	
Force					2.Extraction Force: 7.2N MIN.					
(Sn Plating)		It takes out and	nd incorts with a conformity connector		Incor	tion Force : 7	6 ON MAY	Х		
Mating and unmating Force		It takes out and inserts with a conformity connector.			1.Insertion Force : 76.9N MAX. 2.Extraction Force : 7.0N MIN.				_	
(Au Plating)										
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at			No damage, crack or looseness of parts. 🖄			Χ	_	
		10 cycles for 3 direction.								
Shock		Acceleration 490 m/s ² duration of pulse 11 ms at 3						X	_	
		times for 3 direct	ctions.							
Contact extraction force Pull out the cab			le after housing fixation.		11.8N MIN			Χ	_	
	mental Charact						Λ	Х		
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: 500 MΩ MIN. (3) 2.No damage, crack or looseness of parts.				_	
Rapid Change Of		Temperature -55°C→ +105°C			1.Insulation resistance: 1000 MΩ MIN. 🐧					
Temperature		Time 30min → 30min			2.No damage, crack or looseness of parts.				_	
Tomporatoro		Under 5 Cycles.			,					
		(The transferring time of the tank is 2 to 3 MIN)								
Dry Hoot		(After leaving the room temperature for 1 to 2h.)						~		
Dry Heat Cold		Exposed at 105±2°C, 96h Exposed at -55±3°C, 96h						X		
Remarks		Inposed at	00_0 0, 0011					^`		
I CIIIai No										

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-00004577 TS. MIYAKI			SZ. ONO	20190115	
			APPROVE	D HS. OKAWA	20160601		
			CHECKE	YN. TAKASHITA	20160601		
			DESIGNE	D TT. OHSAKO	20160601		
Unles	s otherwise	e specified, refer to IEC 60512.		DRAWN	TT. OHSAKO	20160601	
Note	QT:Quali	fication Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-366294-00-00		
Н	ড _	SPECIFICATION SHEET	PART NO.	DF51-28DEP-2C			
4 6		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL5	<u>/3</u> 1/1		