standard perating Temper perating Humidit	rature Range							
perating Humidit	alule Naliye	66 to 1106°(' (Noto1)	Storage	Tompo	ratura Panga	10 °C to 160°C (Noto2)		
-	u Dongo	-55 to +105°C (Note1)	Storage Temperature Range		-10 °C to +60°C (Note3)			
	_	20% to 80% (Note2)	, ,		,	40% to 70% (Note3)		
Applicable Connector		DF51%-30DS-2C(##)	Current		AWG 24 : 2.0A AWG 26 : 1.5A			
Applicable Contact		DE44_ED2429DC/A\/DCE/A\	-					
Applicable Contact		DF11-EP2428PC(A)/PCF(A)	UL · C-UL Voltage			AWG 28 : 1.0A		
			Rating		Voltage	30 V AC/DC		
oltage		250 V AC/DC		Current		AWG 24 to 28 : 1.0A		
		Specification	ons					
tem		Test method		Requirements			QT	AT
on								
nination	Visually and by measuring instrument.			According to drawing.			X	Х
	Confirmed visually.					X	Х	
aracteristics	<u> </u>							
sistance	500 V DC.			1000 MΩ MIN.			Х	_
F	650 V AC for 1 min.			No flashover or breakdown.			Х	_
I Characterist	ics							
peration	0 times insertion and extraction.		1	No dama	age, crack or lo	oseness of parts. 🖄	Х	_
\ ti	50.0						V	
peration	50 times insertio	nes insertion and extraction.					Α.	_
nmating	It takes out and inserts with a conformity connector.			1.Insertion Force : 128.2N MAX.			Х	_
G	, , , , , , , , , , , , , , , , , , , ,			2.Extraction Force: 7.7N MIN.				
						. =		
Mating and unmating Force		It takes out and inserts with a conformity connector.			1.Insertion Force : 81.5N MAX. 2.Extraction Force : 7.5N MIN.			
(Au Plating)								
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at			t No damage, crack or looseness of parts. 3			_
		10 cycles for 3 direction.				· <u> </u>		
		Acceleration 490 m/s ² duration of pulse 11 ms at 3					Χ	_
		imes for 3 directions.						
ction force	Pull out the cab	le after housing fixation.		11.8N MIN			X	_
						A		
	Exposed at 40 ± 2°C , humidity 90 to 95 %, 96 h.						Х	_
(Steady State)								
	l ·						Χ	-
Temperature Dry Heat		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.)			2.No damage, crack or looseness of parts.			ĺ
								L
	Exposed at 105±2°C, 96h						X	_
	Exposed at -	d at -55±3°C, 96h					Χ	
	em n ination aracteristics istance Characterist peration peration mating mating stion force ntal Characte	ination Visually and by Confirmed visual Aracteristics Sistance 500 V DC. 650 V AC for 1 of Characteristics Deration 30 times insertion Deration 50 times insertion Deration It takes out and Trequency 10 to 10 cycles for 3 of Acceleration 49 times for 3 direction force Pull out the cabon tall Characteristics Exposed at 40 (After leaving the Characteristics (The transferring (After leaving the Exposed at 4 of E	Specification Test method Note ination Visually and by measuring instrument. Confirmed visually. Bracteristics Solveration Solv	Specifications Test method Test mention Test method Test method	Specifications Test method Notation Notation Notation Not flash Characteristics Deration So times insertion and extraction. Test method Notation 1.Insertication Notation No	Specifications Test method Require n Confirmed visually and by measuring instrument.	Specifications Test method Requirements Test method Requirements Requirements Requirements Requirements According to drawing. Confirmed visually. Bracteristics Sov V C for 1 min. Characteristics Deteration So times insertion and extraction. Test method Requirements According to drawing. According to drawing. According to drawing. I 1000 MΩ MIN. No flashover or breakdown. No damage, crack or looseness of parts. Soveration So times insertion and extraction. The takes out and inserts with a conformity connector. It takes out and inserts with a conformity connector. It takes out and inserts with a conformity connector. It takes out and inserts with a conformity connector. It takes out and inserts with a conformity connector. Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction. Acceleration 490 m/s² duration of pulse 11 ms at 3 times for 3 directions. Acceleration 490 m/s² duration of pulse 11 ms at 3 times for 3 directions. Exposed at 40 ± 2°C, humidity 90 to 95 %, 96 h. (After leaving the room temperature for 1 to 2h.) Temperature -55°C→ +105°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.) Exposed at 105±2°C, 96h	Specifications Test method Requirements QT Ination Visually and by measuring instrument. Confirmed visually. Confirmed visually. Confirmed visually. Confirmed visually. Confirmed visually. Soo V DC. Soo V AC for 1 min. Characteristics Deration 30 times insertion and extraction. It takes out and inserts with a conformity connector. It takes out and inserts with a conformity connect

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	DESCRIPTION OF REVISIONS DESIGNED		CHECKED	DATE		
$\sqrt{3}$	6	DIS-H-00004577	TS. MIYAKI		SZ. 0N0	20190115		
			APPROVE	ED HS. OKAWA	20160601			
					D YN. TAKASHITA	20160601		
					TT. OHSAKO	20160601		
Unless otherwise specified, refer to IEC 60512.					TT. OHSAKO	20160601		
Note	QT:Qualit	fication Test AT:Assurance Test X:Applicable Tes	st DRAWING	DRAWING NO.		ELC-366295-00-00		
ч	ও –	SPECIFICATION SHEET	PART NO.		DF51-30DEP-2C			
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL5	543-5084-0-00	<u>3</u> 1/1		