Applicat	le stand	dard									
			erature Range	-55 to +105°C (Note1) Stora		Storage Ter	ge Temperature Range		e -10 °C to +60°C (Note3)		)
Rating	Operating Humidity Range			( )			midity I	0	40% to 70% (Note3)		
Â		ble Con		, , ,		Current			AWG 24 to 26 : 2.0A AWG 28 : 1.0A		
	Applicable Contact			DF11-EP2428PC(A)/PCF(A)		UL · C-UL Voltage		Voltage	30 V AC/DC		
Voltage				250 V AC/DC		Rating	-	Current	AWG 24 to 28 : 1		
, shage			Specifications			ne					
	Item			Test method	ican			Bog	uirements	OT	• -
Constru				restmethou				Keyi	mements	QT	AT
General Examination		Visually and by measuring instrument.			1 0 0 0	ordina t	o drowing		X	Х	
Marking		Confirmed visually.			ALL	According to drawing.				X	
0	Charact	eristics		any.						Х	
Electric Characteristics							1000 MΩ MIN.				_
			650 V AC for 1 min.				No flashover or breakdown.				_
Voltage Proof Mechanical Characteris							No hashover of breakdown.				
Mechanical Operation (Sn Plating)			30 times insertion and extraction.				No damage, crack or looseness of parts. 🖄 X				-
Mechanical Operation (Au Plating)			50 times insertion and extraction.				X				-
Mating and unmating Force (Sn Plating)			It takes out and inserts with a conformity connector.				1.Insertion Force : 30.0N MAX.   2.Extraction Force : 1.0N MIN.				-
Mating and unmating Force			It takes out and inserts with a conformity connector.				1.Insertion Force : 21.7N MAX. 2.Extraction Force : 1.0N MIN.			Х	-
(Au Plating)									X		
Vibration		10 cycles for 3 direction.				No damage, crack or looseness of parts. 🖄 X –					
Shock			Acceleration 490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times for 3 directions.								-
Contact extraction force			Pull out the cable after housing fixation.				11.8N MIN				—
Environ	mental C	Characte	eristics								
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: 500 M $\Omega$ MIN. $2$ . 2.No damage, crack or looseness of parts.				_	
Rapid Change Of Temperature			Temperature $-55^{\circ}C \rightarrow +105^{\circ}C$ Time $30min \rightarrow 30min$ Under 5 Cycles.(The transferring time of the tank is 2 to 3 MIN)(After leaving the room temperature for 1 to 2h.)				1.Insulation resistance: 1000 MΩ MIN. /2 X   2.No damage, crack or looseness of parts. X				_
Dry Heat			Exposed at 105±2°C, 96h							Х	—
Cold		Exposed at -55±3°C, 96h							Х	-	
Note 2:No Note 3:Ap	condensi ply to the	ng condition		ent. rage for unused products l erature and humidity range				age during	transportation.		
C	OUNT	D	ESCRIPTION O	SCRIPTION OF REVISIONS DES		DESIGNED	GNED		CHECKED	DA	TE
<u>6</u>			DIS-H-00004577			TS. MIYAKI			SZ. ONO	2019	0115
								PROVED	HS. OKAWA	2016	0601
								IECKED		2010	
									YN. TAKASHITA		
l Inless att	nerwiee er	pecified r	efer to IEC 6051	2			DESIGN		TT. OHSAKO	2016	
	Journeu, R	۷.	1		D	RAWN	TT. OHSAKO	2016			
Note QT	tion Test	Test X:Applicable Test		DRAWIN	WING NO.		ELC-366298-00-				
					1						

PART NO.

CODE NO.

DF51-4EP-2C

 $\mathbb{A}$ 

1/1

CL543-5127-0-00

RS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.