Applicat	ole star	ndard										
Operating Temp			erature Range	-55 to +105°C (Note1) Stora		Storag	rage Temperature Range			-10 °C to +60°C (Note3)		
Rating	Operating Humidity Range			20% to 80% (Note2) Stora			ge Humidity Range			40% to 70% (Note3)		)
	Applicable Connector			DF51%-6S-2C(##)		Current				AWG 24 to 26 : 2.0A AWG 28 : 1.0A		
	Applicable Contact Voltage			DF11-EP2428PC(A)/	PCF(A)	UL·	C-UL Voltage			30 V AC/DC		
				250 V AC/DC	:	Ratin		Current		AWG 24 to 28 :		
			Specifications					ounent				
	Item			Test method	moati	0113		R	Requirer	nents	QT	AT
Constru				rest method					cquirci	nenta		AI
General E		ion	Visually and by measuring instrument.				According to drawing.					X
Marking			Confirmed visually.									X
0	Chara	cteristics	2	,								
Insulation Resistance			500 V DC.				1000 MΩ MIN.				Х	- 1
Voltage Proof			650 V AC for 1 min.				No flashover or breakdown.				Х	-
Mechan	ical Ch	naracteris	stics									
Mechanical Operation (Sn Plating)			30 times insertion and extraction.				No damage, crack or looseness of parts. 🖄				Х	-
Mechanical Operation (Au Plating)			50 times insertion and extraction.								Х	-
Mating and unmating Force			It takes out and inserts with a conformity connector.				1.Insertion Force : 38.0N MAX. 2.Extraction Force : 1.5N MIN.				Х	-
(Sn Plating) Mating and unmating Force			It takes out and inserts with a conformity connector.				1.Insertion Force : 29.7N MAX. 2.Extraction Force : 1.5N MIN.				X	-
(Au Plating) Vibration			Frequency 10 to 55 Hz, single amplitude 0.75 mm, at				No damage, crack or looseness of parts.				x	
Shock			10 cycles for 3 direction. Acceleration 490 m/s <sup>2</sup> duration of pulse 11 ms at 3								X	
			times for 3 directions.									
Contact extraction force			Pull out the cable after housing fixation.				11.8N MIN				Х	_
		Charact								٨		
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.				X	_
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 M $\Omega$ MIN. $2$ 2.No damage, crack or looseness of parts.					_
Dry Heat			Exposed at 105±2°C, 96h								Х	1-
Cold			Exposed at -55±3°C, 96h								Х	_
Note 2:No Note 3:Ap	conden ply to th	sing e condition		ent. rage for unused product erature and humidity ran				storage dui	ring trar	nsportation.		
~	OUNT	D	ESCRIPTION O	F REVISIONS		DESIC	GNED			CHECKED		٩ΤΕ
2	6		DIS-H-00004577		TS.M		IYAKI			SZ. ONO	2019	9011
							APPRO		ED	HS. OKAWA 20		6060
			Stor to IEC 60512			CHECKE		D	YN. TAKASHITA	2016	6060	
	on-i								TT. OHSAKO	2016060		
			efer to IEC 6051						1	тт. онзако 20 ELC-366300-00-		6060 ∩
Note QT:Qualification Test AT:Assur							AWING NO.			DF51-6EP-2C		
R			E ELECTRIC CO., LTD.							543-5129-0-00		1/1
	1				1 1.1	CODE		UL043-0129-0-00 /2			1/1	11

CODE NO.

FORM HD0011-2-1

HIROSE ELECTRIC CO., LTD.