Applicab	le standard							
	Operating Temperature Range Operating Humidity Range Voltage		-35 to +85°C (Note1)	Storag	e Temperature Range	-10 °C to +60°C (Note3)		
Rating			40% to 80% (Note2)	Storag	e Humidity Range	40% to 70% (Note3	3)
			100 V AC/DC	Applicable		DE000(*D0 40(##)		
	Current		AWG 28 : 1.0A/pin	Conne	ctor	DF20%-*DS-1C(##)		
			AWG 30: 0.9A/pin	Applica	able	DE000/ *****		
			AWG 32: 0.7A/pin	Contact		DF20%-****SCFA(#		
			Specificat	tions				
	Item		Test method		Requ	uirements	QT	AT
Construc	ction							
General Examination		Visually and by measuring instrument.			According to drawing.		Х	Х
Marking		Confirmed visua			1		Х	Χ
Electric	Characteristic	s	•					
Contact Resistance Millivolt Level Method		20mV max, 1mA (DC or 1000Hz).			30 mΩ MAX.		Х	-
Insulation	Resistance	100 V DC.	100 V DC.		500 MΩ MIN.		Х	_
Voltage Pr	oof	300 V AC for 1	for 1 min.		No flashover or breakdown.		Х	_
Mechani	ical Character	ristics						
Mechanica	al Operation	50 times insertion and extraction.			1) Contact resistance: 30 m Ω MAX.		Х	_
					2) No damage, crack or looseness of parts.			
Vibration		Frequency 10-55 Hz, single amplitude 0.75 mm, at 10			1) No electrical discontinuity of 1 μ s.		Х	_
		cycles for 3 directions.			2) No damage, crack or looseness of parts.		X	
Shock 1		Acceleration 500 m/s ² duration of pulse 11 ms at 3			1) No electrical discontinuity of 1 μ s.			_
_		times for 3 direc	tions.		2) No damage, crack or	looseness of parts.		
	mental Charac				To a constant		Х	
Damp Heat (Steady State)		Exposed at 40 \pm 2°C , humidity 90-95 %, 96 h. (After leaving the room temperature for 1-2h.)			 Contact resistance: 30 m Ω MAX. Insulation resistance: 500 MΩ MIN. No damage, crack or looseness of parts. 			_
Rapid Change Of		Temperature -	Temperature -55°C→ +85°C			1) Contact resistance: 30 m Ω MAX.		
Temperature		Time 30min→ 30min Under 5 Cycles. (The transferring time of the tank is 2-3 min)			2) Insulation resistance: 500 MΩ MIN.3) No damage, crack or looseness of parts.			
			g time of the tank is 2-3 min) e room temperature for 1-2h.)					
Dry Heat			+85±2°C, 96h		1) Contact resistance: 3	30 m Ω MAX.	Х	_
		,			2) Insulation resistance			
					3) No damage, crack or looseness of parts.			
Cold		Exposed at -55±3°C, 96h			1) Contact resistance: 30 m Ω MAX.			_
					2) Insulation resistance3) No damage, crack or			
Remarks					3) No damage, crack of	looseriess of parts.		
Note 2 : N	o condensing.	ature rising by curr ion of long term sto	ent. orage for unused products befo	ore moun	t on PCB,			
A	fter mounted on	PCB, operating ten	nperature and humidity range	is applied	I for interim storage during	g transportation.		
ĺ								

	COUN	T DESCRIPTION OF REVISIONS	DESIGNED		CHECKED	DATE		
\triangle	1	DIS-H-00005941	SN. MIWA		SZ. ONO	20200508		
				APPROVE	D HS. OKAWA	20200205		
				CHECKE	SZ. ONO	20200205		
				DESIGNE	D SN. MIWA	20200205		
Unless otherwise specified, refer to IEC 60512.				DRAWN	SN. MIWA	20200205		
Note	QT:Qual	lification Test AT:Assurance Test X:Applicable Tes	t DRAWING	DRAWING NO.		ELC-391810-52-00		
нs		SPECIFICATION SHEET	PART NO.	DF20EF-*DP-1V (52)		2)		
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL686-		1/2		

	Specifica	<u>สเเบเเร</u>)			1	1
Item	Test method				ements	QT	Α
Resistance To Soldering Heat	1) Reflow soldering « Reflow time » Number of reflow cycles: 2 cycles max. Duration above 220°C: 60sec. max. Peak temperature: 250°C, 10sec. max. « Pre-heat time » Pre-heat temperature: 150°C Pre-heat time (min): 90 sec. Pre-heat time (max): 120 sec. 2) Manual soldering Soldering iron temperature: 300°C, Soldering time: 3s. No strength on contact.			ormation of case	of excessive loosenes	s X	_
Solderability	Soldering temperature : 245°C Duration of immersion : soldering, for 5 sec.	1		m of 95 % of the	solder shall cover surface being	Х	-
Note QT:Qualification Te	est AT:Assurance Test X:Applicable Test	DRAWING NO.		G NO.	ELC-391810-52-00		
		PART NO. DI			DF20EF-*DP-1V (52)		
HS s	PECIFICATION SHEET	PART	NO.	DF2	20EF-*DP-1V (52)	