Applicab	le standard									
Operating			1 -55 °C TO ±105°C (NOTE1)		Storag	,	-10 °C to +60°C (N		lote3)	
Rating	temperature ra Operating	nge	20% to 8		Storag	rature range ge		· to 70% (N		
Rating	humidity range		20% 10 6	50% (Note2)	humid	ity range	407	% 10 70% (N	iotes)	
4	Voltage		AC/DC 630V App		Applic	able connector	DF63-3S-3.96C			
	Current		AWG #16 : 12 A/pin							
				3 : 11 A/pin	Applic	able contact		63(A)-1618SC		
				: 9 A/pin :: 8 A/pin			DF	63(A)-2022SC	·(F)	
		F	lated Voltage	Rated Curre	ent	Overvoltage (	Category	IP-Deg	ree	
UL,C-UL		600V AC/DC		See above	е	-		-	<u> </u>	
	TUV	300V AC/DC		See above	ove		IP0		)	
				Specificat	tions	}				
Item			Test method			Requirements			QT	АТ
Construc	tion	1								1
General examination		Visually and by measuring instrument.			/	According to drawing.			Χ	Х
Marking Co		Confirme	Confirmed visually.						Х	Х
Electric	characterist	tics			<u> </u>					
Contact resistance		20mV MAX, 1mA (DC or 1000Hz).			1	10 mΩ MAX.			Χ	_
Insulation resistance		500 V DC.			,	1000 ΜΩ ΜΙΝ.			Х	_
Voltage proof		1500 V AC for 1 min.			1	No flashover or breakdown.			Х	_
Mechani	ical charact	eristics								
Mechanical operation		30 times insertion and extraction.				1) Contact resistance: 20 mΩ MAX.			Χ	_
					2) No damage, crack or looseness of parts.					
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.				<ul><li>1) No electrical discontinuity of 1µs.</li><li>2) No damage, crack or looseness of parts.</li></ul>			Χ	_
Shock	Ch a ale		•		· · · · · · · · · · · · · · · · · · ·			Χ		
			m/s <sup>2</sup> duration of pulse 11 ms at 3 times each for 3 both al directions.			2) No damage, crack or looseness of parts.			^	_
Environm	nental charac				Į-	-, · · · · · · · · · · · · · · · · · · ·		ролого		
		Exposed at 40 ± 2°C , 90 to 95 %, 96 h.			ŀ	1) Contact resistance: 20 mΩ MAX.			Χ	_
(Steady state)		(After leaving the room temperature for			2	2) Insulation resistance: 500 M $\Omega$ MIN.				
		1 to 2h.)			3	3) No damage, crack or looseness of parts.				
Rapid change of temperature		Temperature -55°C→ +85°C				1) Contact resistance			Χ	-
		Time 30min→ 30min				2) Insulation resistance: 1000 MΩ MIN.				
		Under 5 cycles.			3	3) No damage, crack or looseness of parts.				
		(The transferring time of the tank is 2 to 3 min)								
Doolotopoo	<b>.</b>		ng the room temperature	for 1 to 2h.)						
Resistance to Soldering heat		1)Solder bath method				Such as impaired function ,no deformation of case			Χ	
		Soldered at solder temperature, 260°c for in immersion, duration, 5 s.				of excessive looseness of the terminals.				_
				ation, 5 S.						
			soldering	200°C						
			ng iron temperature :	300 C,						
			ng time :3s. ngth on contact.							
Solderability	,		at solder temperature	).		A new uniform coatin	a of solders	hall cover		
Josephanity			•						Χ	_
		245°c for	in immersion , duration	on, 5 s.	1	minimum of 95 % of	the surface b	eing immersed.	Χ	_

## Remarks

- 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 mounted on PCB.

After mounted on PCB, operation temperature and humidity range is applied for interim storage during transportation.

Count	Description of revisions	Designed		Checked	Date
1	DIS-H-00005943	TS. MIYAKI		SZ. ONO	20200512
Remarks			Approved	KI. AKIYAMA	20150901
			Checked	TS. FUKUSHIMA	20150901
			Designed	MI. SAKIMURA	20150901
Unless otherv	vise specified, refer to IEC 60512.		Drawn	MI.SAKIMURA	20150901
Note QT:Qเ	ralification Test AT:Assurance Test X:Applicable Test	Drawin	g no.	ELC-362112-00-00	
HS.	Specification sheet	Part no.	DF63-3P-7. 92DSA		١
	Hirose electric co., ltd.	Code no.	CL680-0537-0-00		<b>1/1</b>