Applicabl	e standard												
Operating Temperature		range	20% to 80% (Note2) Ter		Te	Storage Temperature range			-10 °C to +60°C (Note3)				
Rating	Operating Humidity range					midity range		40% to 70% (Note3)					
	Applicable co	onnector	DF63SF-3S-3.96C		oltage	tage		630V AC/DC					
	Applicable co	ontact	DF63SF-1618SCFA(##) Cur			urrent	rent		AWG#16 : 15 A/pin				
										WG#18 : 13 A/	·		
			Rated Voltage Rated Current			0	Overvoltage Category			•			
l	JL,C-UL		00V AC/DC	See ab			-			-	- -		
	TUV	3	00V AC/DC	See ab			П			IP0	0		
				Specific	atior	าร							
	tem		Test meth	nod			F	Requi	rements		QT	АТ	
Construct General exa		Visually and by measuring instrument.				Accord	According to drawing.				X	X	
Marking		Confirmed visually.				X					Х		
Electric o	characteris	tics				<u> </u>						1	
Contact re	sistance	20mV M	20mV MAX, 1mA (DC or 1000Hz).				10 mΩ MAX.					-	
Insulation	resistance	500 V D	500 V DC.			1000 M	1000 MΩ MIN.				X	<u> </u>	
Voltage pro	of	2200 V A	2200 V AC for 1 min.			No flas	hover or b	reakd	own.		X	-	
Mechani	cal charac	teristics										1	
Mechanical operation		50 times insertion and extraction.				 Contact resistance: 20 mΩ MAX. No damage, crack or looseness of parts. 					-		
		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.				 No electrical discontinuity of 1 μ s. No damage, crack or looseness of parts. 				Х	_		
Shock		490 m/s ² duration of pulse 11 ms at 3 times each for 3 both axial directions.				1) No e	 No electrical discontinuity of 1 μ s. No damage, crack or looseness of parts. 				X	-	
Mating force		Measured by applicable connector.			Insertic	Insertion force : 20.0 N MAX Extraction force : 1.0 N MIN				Х	-		
	ental chara												
Damp heat (Steady state)		Exposed at 40 ± 2°C , 90 to 95 %, 96 h. (After leaving the room temperature for 1 to 2h.)			2) Insu	 Contact resistance: 20 m Ω MAX. Insulation resistance: 500 M Ω Min. No damage, crack or looseness of parts. 				X	_		
	Rapid change of		Temperature -55°C → +105°C Time 30min → 30min			1) Con	 Contact resistance: 20 m Ω MAX. Insulation resistance: 1000 M Ω Min. 				Х	_	
temperature		Under 5 cycles. (The transferring time of the tank is 2 to 3 min)				,	3) No damage, crack or looseness of parts.						
			isterring time of the ta aving the room temper										
Dry heat		Exposed at +105°C,96h.			2) Insu	1) Contact resistance: 20 m Ω MAX. 2) Insulation resistance: 1000 M Ω Min.					-		
Cold		Exposed at -55°C,96h.					3) No damage, crack or looseness of parts.1) Contact resistance:20 m Ω MAX.					-	
		2,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			2) Insu	 2) Insulation resistance: 1000 MΩ Min. 3) No damage, crack or looseness of parts. 				X			
Note 2: No	-									'	1	1	
ічоте з: Арр	ıy to unused p	roauct on p	packaged condition.										
Cour	nt	Descrip	tion of revisions		Des	signed		Checked			Da	ate	
/0\ Remarks							Δ	اما	•	OKAMUDA	0001	0000	
	erwise speci	ed, refer to IEC 60512.				Approved Checked		SJ. OKAMURA SZ. ONO			0623 0623		
	-						Designe			KUMAZAWA		0623	
							Drawn			KUMAZAWA	+	0623	
Note QT:Qualification Test AT:As			ssurance Test X:Applicable Test			Drawing No.			ELC-374749-51-00				
ЖS		Specification sheet			Pa					P-7. 92TV (51)			
11.	HIF	•		EOTDIO 00 TD					80-0704-0-51			1/2	
Tille			301 1110 30., 110.			,, i i i i	00000 0704 0 01						

	Specification	ons		
Item	Test method	Requirements	QT	АТ
Resistance To Soldering Heat	1) Reflow soldering 《Reflow time》 Number of reflow cycles: 2 cycles MAX. Duration above 220°C, 60 sec. MAX. Peak temperature: 250°C 10 sec. MAX. 《Pre-heat time》 Pre-heat temperature (MIN):150°C Pre-heat temperature (MAX):180°C Pre-heat time(MIN): 90 sec. Pre-heat time(MAX): 120 sec. Do not reflow upside down. 2) Manual soldering Soldering iron temperature:350±10°C Soldering time: 5s. No strength on contact.	No deformation of case of excessive looseness of the terminals.	X	-
Solderability	Soldered at solder tempereture 245°C for in immersion, duration, 5s.	A new uniform coating of solder shall cover minimum of 95% of the surface being immersed.	Х	_

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	Drawing	g No.	ELC-374749-51-00		
HS.	Specification sheet	Part No.	DF63SF-2P-7. 92TV (51)			
	HIROSE ELECTRIC CO., LTD.	Code No.	CL068	0-0704-0-51	⚠	2/2