Applicabl	e standard										
Rating	Operating temperature range		-55 °C to +105°C (Note	1)	Storage temperature range		-10 °C	to +60°	C (Note:	3)	
	Operating humidity range Applicable connector		1 /U% 10 AU% (NOIE/) 1		Storage humidity rang	е	40%	to 70%	(Note3	3)	
			DF63-*S-3.96C		/oltage		AC/DC 630V				
	Applicable cable		AWG #16 to 18		Current	ırrent			AWG #16 : 15A/pin		
Insulation diameter		ϕ 2.1 to ϕ 3.2 mr		AWG #18 : 13A/pi							
			Spec	cification	ons						
ı	tem		Test method			Re	quirements		Q ⁻	ГАТ	
Construction											
General examination Vis		Visually a	isually and by measuring instrument.			According to drawing.				X	
Marking		Confirmed visually.							X	X	
Electric o	characterist	ics			,						
Contact resistance		20mV MAX, 1mA (DC or 1000Hz).			10 mΩ N	10 mΩ MAX. X -					
Mechani	cal charact	eristics			1						
Contact inse		□1.14±	0.002 mm by steel gauge.	Insertic	Insertion force 10 N MAX.						
and extraction forces					Extract	Extraction force 0.3 N MIN. X -					
Mechanical operation		50 times insertion and extraction.			1 . 1	act resistance: 20 mΩ MAX. X amage, crack or looseness of parts.				_	
Vibration		Frequency 10 to 55 Hz, single amplitude				1) No electrical discontinuity of 1µs. X —				_	
Shock		0.75 mm, at 10 cycles for 3 direction. 490 m/s² duration of pulse 11 ms at 3 times each for 3 both axial directions.				mage, crack or	looseness of part	ts.	X	-	
Environm	ental charac		uoris.								
Damp heat	ornar ornarae		at 40 ± 2°C , 90 to 95 %, 96 h.		1) Conta	act resistance	: 20 m Ω MAX.		X	. I –	
(Steady state)		(After leaving the room temperature for 1-2h.)			2) No da	2) No damage, crack or looseness of parts.					
· · · · · · · · · · · · · · · · · · ·		Temperature -55°C→ +85°C							X	_	
		Time Under 5 c	30min→ 30min ycles.								
,		1,	e transferring time of the tank is 2-3 min) er leaving the room temperature for 1-2h.)								
Remarks		1.									
Note 1:Includi Note 2:No cor	ing the temperatundensing	re rising by	current.								
	to unused produc	ct on packa	ged condition.								
Cour	nt		tion of revisions		Designed		Checke			Date	
Unless otherwise specified, refer			H-00009798 to IFC 60512.	. KUMAZAWA	Approved	SZ. ONO SJ. OKAMURA			210616 210513		
3000 0111						Checked	+	ONO		210513	
						Designed		MAZAWA		210513	
						Drawn	-	MAZAWA		210513	
Note QT:Qualification Test AT:As			surance Test X:Applicable Test		Drawin	g no.	ELC-393063-00-00				
HS.		Spec	ication sheet Pa		Part no.	DF63A-1618SCFA					
		Hirose electric co., ltd.			Code no.	CL0680-0646-0-00			1/1		