







Applicable standard					
Rating 	Operating Temperature range	-55 °C to +105°C (Note1)		Storage Temperature range	-10 °C to +60°C (Note3)
	Operating Humidity range	20% to 80%(Note2)		Storage Humidity range	40% to 70% (Note3)
	Applicable connector	DF63SF-3P-3.96TV*		Voltage	630V AC/DC
	Applicable contact	DF63SF-1618SCFA(**)		Current	AWG#16 : 12 A/pin AWG#18 : 10 A/pin
	Rated Voltage	Rated Current	Overvoltage Category	IP-Degree	
UL,C-UL	600V AC/DC	See above	-	-	
TUV	300V AC/DC	See above	II	IP00	
Specifications					
Item	Test method			Requirements	QT AT
Construction					
General examination	Visually and by measuring instrument.			According to drawing.	X X
Marking	Confirmed visually.				X X
Electric characteristics 					
Insulation resistance	500 V DC.			1000 MΩ MIN.	X -
Voltage proof	2200 V AC for 1 min.			No flashover or breakdown.	X -
Mechanical characteristics					
Mechanical operation	50 times insertion and extraction.			No damage, crack or looseness of parts.	X -
Vibration	Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.				X -
Shock	490 m/s ² duration of pulse 11 ms at 3 times each for 3 both axial directions.				X -
Environmental characteristics					
Damp heat (Steady state)	Exposed at 40 ± 2°C , 90 to 95 %, 96 h. (After leaving the room temperature for 1 to 2h.)			1) Insulation resistance: 500 MΩ Min. 2) No damage, crack or looseness of parts.	X -
Rapid change of temperature	Temperature -55°C→ +105°C Time 30min→ 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 MΩ Min. 2) No damage, crack or looseness of parts.	X -
<p>Note 1: Include the temperature rising by current.</p> <p>Note 2: No condensing.</p> <p>Note 3: Apply to the condition of long term storage for unused products before harness assembly, after harness assembly , operation temperature and humidity range are applied for interim storage during transportation.</p>					
	Count	Description of revisions	Designed	Checked	Date
	3	DIS-H-00006130	TS. MIYAKI	SZ. ONO	20200730
Remarks Unless otherwise specified, refer to IEC 60512.				Approved	HS. OKAWA
				Checked	YN. TAKASHITA
				Designed	SANGMUK. LIM
				Drawn	SANGMUK. LIM
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.		ELC-367035-00-01
	Specification sheet		Part No.	DF63SF-3S-3. 96C	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL680-0702-0-00	 1/1