

Applicable standard						
Rating	Operating Temperature Range	-55 to +105℃(Note1)		Storage Temperature Range	-10 °C to +60℃ (Note3)	
	Operating Humidity Range	20% to 80% (Note2)		Storage Humidity Range	40% to 70% (Note3)	
	Voltage	630 V AC/DC		Applicable Connector	DF63-5S-3.96C	
	Current	AWG 16 : 10A AWG 18 : 8A AWG 20 : 7A AWG 22 : 6A		Applicable Contact	DF63-1618PC* DF63-2022PC*	
		Rated Voltage	Rated Current	Overvoltage Category	IP-Degree	
△ UL,C-UL		600V AC/DC	See above	-	-	
△ TÜV		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		1500 V AC for 1 min.		No flashover or breakdown.		X —
Mechanical Characteristics						
Mechanical operation		30 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.		No damage, crack or looseness of parts.		X —
Shock		Acceleration 490 m/s ² duration of pulse 11 ms at 3 times for 3 directions.		No damage, crack or looseness of parts.		X —
Environmental Characteristics						
Damp Heat (Steady State)		Exposed at 40 ± 2℃ , humidity 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℃→ +85℃ Time 30min→ 30min Under 5 Cycles. (The transferring time of the tank is 2 to3 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 —
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 board , operating temperature and humidity range is applied for interim storage during transportation.						
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△1	2	DIS-H-00004236	TS. KUMAZAWA	SZ. ONO	20180925	
Unless otherwise specified, refer to IEC 60512.				APPROVED	HS. OKAWA	20170215
				CHECKED	TS. FUKUSHIMA	20170215
				DESIGNED	YK. YAMAGUCHI	20170214
				DRAWN	YK. YAMAGUCHI	20170214
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-365661-00-00	
HRS	SPECIFICATION SHEET		PART NO.	DF63A-5EP-3. 96C		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL680-0557-0-00	△1	1/1