

Applicable standard					
Rating	Operating Temperature range		-40 °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		DF62W-*S-2.2C(##)	Voltage	AC/DC 250V
	Applicable cable	UL3443	AWG#20(Insulation diameter ϕ 1.53mm)	Current	AWG#20 : 5 A
UL1007		AWG#22(Insulation diameter ϕ 1.58mm)	AWG#22 : 4 A		
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					
Contact resistance		20mV MAX, 1mA (DC or 1000Hz).		30 mΩ MAX.	X -
Mechanical characteristics					
Contact insertion and Extraction forces		T=0.44±0.002mm by steel gauge.		Insertion force 2.8N MAX Extraction force 0.15N MIN.	X -
Mechanical operation		50 times insertion and extraction.		①Contact resistance: 30 mΩ MAX. ②No damage, crack or looseness of parts.	X -
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.		①No electrical discontinuity of 1 μs. ②No damage, crack or looseness of parts.	X -
Shock		490 m/s ² duration of pulse 11 ms at 3 times each for 3 both axial directions.		①No electrical discontinuity of 1 μs. ②No damage, crack or looseness of parts.	X -
Environmental characteristics					
Damp heat (Steady state)		Exposed at 40 ± 2°C , 90 to 95 %, 96 h. (After leaving the room temperature for 1 - 2h.)		①Contact resistance: 30 mΩ MAX. ②No damage, crack or looseness of parts.	X -
Rapid change of temperature		Temperature -55°C→ +85°C Time 30min→ 30min Under 5 cycles. (The transferring time of the tank is 2 - 3 min) (After leaving the room temperature for 1 - 2h.)		①Contact resistance: 30 mΩ MAX. ②No damage, crack or looseness of parts.	X -
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
Remarks				Approved	HS. OKAWA 17. 06. 07
				Checked	TS. FUKUSHIMA 17. 06. 07
				Designed	HT. SATO 17. 06. 06
				Drawn	MI. SAKIMURA 17. 06. 06
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				Drawing No. ELC-372899-00-00	
	Specification sheet		Part No.	DF62W-2022SCA	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL544-1045-0-00	1/1