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 φ1.53mm)	Current	AWG#20 : 5 A
		UL1007	AWG#22(Insulation diameter φ1.58mm)		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	30 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℃ , 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℃→ +85℃ 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
0					

Remarks

Unless otherwise specified, refer to IEC 60512.

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-360861-00-00

HRS	Specification sheet	Part No.	DF62W-2022SC	
	HIROSE ELECTRIC CO., LTD.	Code No.	CL544-1017-4-00	0 1/1

FORM HD0011-2-1