






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	AWG 20 to 22	Current 	AWG20 : 5A/pin	
	Insulation diameter	φ1.4 to φ1.6mm		AWG22 : 4A/pin	
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°C , 90 to 95 %, 96 h. (After leaving the room temperature for 1 to 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 to 3 min) (After leaving the room temperature for 1 to 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 packaged and unused product. 					
	Count	Description of revisions	Designed	Checked	Date
	2	DIS-H-00015660	HT. SATO	SZ. ONO	20221017
Remarks Unless otherwise specified, refer to IEC 60512.			Approved	KI. AKIYAMA	20150926
			Checked	TS. FUKUSHIMA	20150926
			Designed	YK. YAMAGUCHI	20150926
			Drawn	YK. YAMAGUCHI	20150926
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.		ELC-358671-00-00
	Specification sheet		Part No.	DF62W-2022SCF	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL0544-1015-9-00	 1/1