




Applicable standard					
Rating	Operating Temperature range	-40 °C to +105°C (Note1)	Storage Temperature range	-10 °C to +60°C (Note2)	
	Operating Humidity range	20% to 80%	Storage Humidity range	40% to 70% (Note2)	
	Applicable Connector	DF62WC-3S-2.2C(##)	Voltage	AC/DC 250V	
	Applicable contact	DF62W-EP2226PC*	Current	AWG 22 : 3A	
	Applicable Insulation diameter	φ 0.98 to φ 1.2mm		AWG 24 : 2A AWG 26 to 30 : 1A	
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		650 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		490 m/s ² duration of pulse 11 ms at 3 times each for 3 both axial directions.	No 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.)	①Insulation resistance: 1000 MΩ Min. 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.)	①Insulation resistance: 1000 MΩ Min. ②No damage, crack or looseness of parts.	X	—
<p>Note 1: Include the temperature rising by current.</p> <p>Note 2: Apply to the condition of long term storage for unused products before harness assembly. After harness assembly, operation temperature and humidity range is applied for interim storage during transportation.</p>					
	Count	Description of revisions	Designed	Checked	Date
					
Remarks Unless otherwise specified, refer to IEC 60512.			Approved	HS. OKAWA	20190731
			Checked	SZ. ONO	20190731
			Designed	TO. KUROMATSU	20190731
			Drawn	SK. CHIBA	20190731
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.		ELC-388237-00-00
	Specification sheet		Part No.	DF62WC-3EP-2. 2C	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL544-1053-0-00	 1/1