

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	DF62W * -6S-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 <sup>2</sup> 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	—
Note 1: Include the temperature rising by current. 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.						
	Count	Description of revisions	Designed	Checked	Date	
△						
Remarks				Approved	HS. OKAWA	20191122
				Checked	SZ. ONO	20191122
Unless otherwise specified, refer to IEC 60512.				Designed	TO. KUROMATSU	20191122
				Drawn	SS. YAMASAKI	20191122
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-390996-00-00		
HRS	Specification sheet		Part No.	DF62WC-6EP-2. 2C		
	HIROSE ELECTRIC CO., LTD.		Code No.	CL544-1058-0-00	△	1/1