

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

Applicable standard				Operating Temperature range		-40 °C to +105°C (Note1)		Storage Temperature range		-10 °C to +60°C (Note3)	
Rating		Operating Humidity range		20% to 80% (Note2)		Storage Humidity range		40% to 70% (Note3)			
Applicable Connector		DF62W-6EP-2-2C(##)		Voltage		AC/DC 250V		AWG 22 : 3A		AWG 24 : 2A	
Applicable contact		DF62W-2226SC*		Current		AWG 26 : 1A					
<b>Specifications</b>											
Item	Test method	Requirements		QT	AT						
<b>Construction</b>		Visually and by measuring instrument.		According to drawing.		X	X				
General examination		Confirmed visually.		X	X						
<b>Electric characteristics</b>		Insulation resistance		500 V DC.		1000 MΩ MIN.		X	-		
Voltage proof		650 V AC for 1 min.		No flashover or breakdown.		X	-				
<b>Mechanical characteristics</b>		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	-				
<b>Environmental characteristics</b>		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: No condensing</p> <p>Note 3: Apply to the condition of long term storage for unused products before PCB on board. After PCB on board, operating temperature and humidity range is applied for interim strage during transportation.</p>											
Count	Description of revisions	Designed		Checked		Date					
△ 3	DI-S-H-008782	KT. ISHII		HK. UMEHARA		14.05.23					
Remarks		Approved		KI. AKIYAMA		14.05.15					
		Checked		HK. UMEHARA		14.05.15					
		Designed		KT. ISHII		14.05.15					
		Drawn		KT. ISHII		14.05.15					
Unless otherwise specified, refer to IEC 60512.											
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		Drawing No.		ELC4-353727-00							
<b>HRS</b>		Specification sheet		Part No.		DF62W-6S-2.2C					
		HIROSE ELECTRIC CO., LTD.		Code No.		CL544-1008-3-00		△		1/1	