






Jul.1.2023 Copyright 2023 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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	1) DF62W-*EP-2.2C(##) 2) DF62WC-*EP-2.2C(##)		Voltage	250V AC/DC			
	Applicable cable	Applicable connector	Current 			AWG 22 : 4A/pin AWG 24 : 3.5A/pin AWG 26 : 3A/pin		
		1)					UL1007 AWG#22 to 24 UL1430 AWG#24 to 26	
2)		UL1061 AWG#24 to 26						
Applicable Insulation diameter	Applicable connector							
	1)						φ 1.4 to 1.6mm	
	2)				φ 0.98 to 1.2mm			
<b>Specifications</b>								
Item	Test method				Requirements	QT AT		
<b>Construction</b>								
General examination	Visually and by measuring instrument.			According to drawing.	X X			
Marking	Confirmed visually.				X X			
<b>Electric characteristics</b>								
Contact resistance	20mV MAX, 1mA (DC or 1000Hz).			30 mΩ MAX.	X -			
<b>Mechanical characteristics</b>								
Mechanical operation	30 times insertion and extraction.			1)Contact resistance: 30 mΩ MAX. 2)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.			1)No electrical discontinuity of 1 μs. 2)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.			1)No electrical discontinuity of 1 μs. 2)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.)			1)Contact resistance: 30 mΩ MAX. 2)No 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.)			1)Contact resistance: 30 mΩ MAX. 2)No damage, crack or looseness of parts.	X -			
Remarks								
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-00015722	HT. SATO	SZ. ONO	20221017			
Unless otherwise specified, refer to IEC 60512.				Approved	OM. MIYAMOTO 20131114			
				Checked	OM. MIYAMOTO 20131114			
				Designed	TO. HORII 20131114			
				Drawn	TO. HORII 20131114			
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		Drawing No.	ELC-353516-00-00				
	Specification sheet		Part No.	DF62W-EP2226PCF				
	HIROSE ELECTRIC CO., LTD.		Code No.	CL0544-1001-4-00	 1/1			