

Applicable standard									
Rating	Operating Temperature range	-40 °C to +85°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)		
	Voltage	100V AC/DC				Applicable Connector	DF52#-*S-0.8H		
	Current 	Number of contacts	AWG28	AWG30	AWG32	Applicable contact	DF52-2832PCF 		
2		2.5A	2.0A	1.5A					
3-5		2.0A	1.5A	1.0A					
6-10		1.5A	1.2A	0.8A					
	12-20	1.2A	1.0A	0.8A					
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		100 V DC.				100 MΩ MIN.		X	—
Voltage proof		300 V AC for 1 min.				No flashover or breakdown.		X	—
Mechanical characteristics									
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: 100 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: 100 MΩ MIN. 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 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.									
	Count	Description of revisions			Designed		Checked		Date
	2	DIS-H-009224			TH. YOSHIZAWA		HK. UMEHARA		14. 11. 20
Remarks Unless otherwise specified, refer to IEC 60512.						Approved	KI. AKIYAMA	14. 06. 27	
						Checked	HK. UMEHARA	14. 06. 27	
						Designed	TH. YOSHIZAWA	14. 06. 26	
						Drawn	TH. YOSHIZAWA	14. 06. 26	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					Drawing No.		ELC4-356518-00		
	Specification sheet				Part No.		DF52-*P-0. 8C		
	HIROSE ELECTRIC CO., LTD.				Code No.		CL668-		 1/1