






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 Connectors	DF65-3P-1.7V(##)	UL Rating 	Voltage	50 V AC/DC			
	Applicable Contact	DF65-2428SCF(##) DF65-2428SCFA(##)		Current	24 AWG : 5.0A 26 AWG : 4.0A 28 AWG : 4.0A			
	Voltage	50 V AC/DC	C-UL Rating 	Voltage	50 V AC/DC			
	Current	24 AWG : 4.0A 26 AWG : 2.5A 28 AWG : 2.5A		Current	24 AWG : 5.0A 26 AWG : 3.3A 28 AWG : 3.3A			
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		500 V AC for 1 min.		No flashover or breakdown.		X	—	
Mechanical characteristics								
Mechanical operation		Tin plated : 30 times insertion and extraction. Gold plated : 50 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.				X	—	
Shock		490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times each for 3 both axial directions.				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→ +105°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.)				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 mounted on PCB. After mounted on PCB, operating temperature and humidity range are applied for interim storage during transportation.								
	Count	Description of revisions		Designed		Checked		Date
	2	DIS-H-00004782		SN. MIWA		SZ. ONO		20190416
Remarks						Approved	KI. AKIYAMA	20131220
						Checked	OM. MIYAMOTO	20131220
						Designed	TT. OHSAKO	20131220
						Drawn	TT. OHSAKO	20131220
Unless otherwise specified, refer to IEC 60512.								
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				Drawing No.		ELC4-351453-00		
	Specification sheet			Part No.		DF65-3S-1. 7C		
	HIROSE ELECTRIC CO., LTD.			Code No.		CL666-6005-8-00	 1/1	