





Applicable standard							
Rating	Operating temperature range	-35 °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	50 V AC/DC		UL-C-UL rating 	Voltage	29 V AC/DC	
	Current	AWG26 : 1.5A AWG28 : 1.5A AWG30 : 1.0A AWG32 : 0.8A AWG34 : 0.5A			Current	AWG26-28 : 1.5A	
	Applicable connector	DF57H-6P-1.2V(##)			Operating temperature range	-35 °C to +75°C (Note1)	
	Applicable contact	DF57-****SCF(A)(##)					
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		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 ² duration of pulse 11 ms at 3 times for 3 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.)		① Insulation resistance: 100 MΩ MIN. 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 Insulation resistance: 100 MΩ MIN. 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		
	1	DIS-H-00013960	HK. HAYASHI	SZ. ONO	20220616		
Unless otherwise specified, refer to IEC 60512.				Approved	HS. OKAWA	20170224	
				Checked	TS. FUKUSHIMA	20170224	
				Designed	TS. MIYAKI	20170224	
				Drawn	MI. SAKIMURA	20170224	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing no.		ELC-344747-10-00		
	Specification sheet		Part no.	DF57AH-6S-1. 2C (10)			
	Hirose electric co., ltd.		Code no.	CL0666-0111-2-10		1/1	