

Applicable standard						
Rating	Operating temperature range	-35°C to +85°C (Note 1)	Storage temperature range		-10°C to +60°C (Note 3)	
	Operating humidity range	20% to 80% (Note 2)	Storage humidity range		40% to 70% (Note 3)	
	Voltage	50V AC/DC	UL · C-UL rating	Voltage	29V AC/DC	
	Current	AWG 26 : 1.5A/pin AWG 28 : 1.5A/pin AWG 30 : 1.0A/pin AWG 32 : 0.8A/pin AWG 34 : 0.5A/pin		Current	AWG 26 to 28 : 1.5A/pin	
	Applicable connector	DF57H-5P-1.2V(##)		Operating temperature range	-35°C to +75°C (Note 1)	
	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	100V DC.		100 MΩ MIN.		X	—
Voltage proof	500V 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.		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 to 2 h.)		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 30 min → 30 min Under 5 cycles. (The transferring time of the tank is 2 to 3 min) (After leaving the room temperature for 1 to 2 h.)		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
				Approved	SJ. OKAMURA	20210823
				Checked	SZ. ONO	20210823
				Designed	HK. HAYASHI	20210823
				Drawn	TS. HONJO	20210820
Unless otherwise specified, refer to IEC 60512.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing no.		ELC-344725-10-01	
	Specification sheet		Part no.	DF57AH-5S-1. 2C (10)		
	Hirose electric co., ltd.		Code no.	CL0666-0110-0-10		1/1