

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	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			
HRS	Specification sheet		Part no.		DF57AH-5S-1. 2C (10)			
	Hirose electric co., ltd.		Code no.		CL0666-0110-0-10		① 1/1	