

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)
	Voltage	50 V AC/DC	Applicable connectors	DF65-7P-1.7V(##)
	Current	AWG #24 : 3.0A	Insulation diameter	AWG24 to 28 : ϕ 0.7~1.15mm
Applicable contact			DF65-2428SCF	




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 M Ω 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.		X	-
Shock	490 m/s ² duration of pulse 11 ms at 3 times each for 3 both axial directions.		X	-
Environmental characteristics				
Damp heat (Steady state)	Exposed at 40 \pm 2°C , 90 to 95 % , 96 h. (After leaving the room temperature for 1~2h.)	①Insulation resistance: 100 M Ω MIN. ②No damage, crack or looseness of parts.	X	-
Rapid change of temperature	Temperature -55°C \rightarrow +85°C Time 30min \rightarrow 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 PCB on board. After PCB on board, operating temperature and humidity range is applied for interim storage during transportation.

Count	Description of revisions	Designed	Checked	Date
				
Remarks			Approved	KI. AKIYAMA
			Checked	HK. UMEHARA
Unless otherwise specified, refer to IEC 60512.			Designed	TT. OHSAKO
			Drawn	TT. OHSAKO
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		Drawing No.	ELC4-354320-00	
	Specification sheet	Part No.	DF65-7S-1.7C	
	HIROSE ELECTRIC CO., LTD.	Code No.	CL666-6015-1-00	 1/1