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	DF65-6P-1.7V(##)	UL,C-UL Rating 2	Voltage	50 V AC/DC
	Applicable Contact	DF65-2428SCF(##) DF65-2428SCFA(##)		Current	24 AWG : 3.5A 26 AWG : 2.5A 28 AWG : 2.0A
	Voltage	50 V AC/DC			
	Current	24 AWG : 3.5A 26 AWG : 2.0A 28 AWG : 2.0A			

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^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 ± 2℃ , 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℃→ +105℃ 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	1	DIS-H-00004782	SN. MIWA	SZ. ONO	20190416

Remarks			
	Approved	KI. AKIYAMA	20130822
	Checked	OM. MIYAMOTO	20130821
Unless otherwise specified, refer to IEC 60512.	Designed	TT. OHSAKO	20130821
	Drawn	TT. OHSAKO	20130821

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

Drawing No.	ELC4-351457-00			
HRS	Specification sheet	Part No.	DF65-6S-1.7C	
	HIROSE ELECTRIC CO., LTD.	Code No.	CL666-6009-9-00	2 1/1