









Applicable standard						
Rating	Operating Temperature range	-55 °C to +85°C (Note1)		Storage Temperature range	-10 °C to +60°C	
	Operating Humidity range	40% to 80% (Note2)		Storage Humidity range	40% to 70%	
	Voltage	250V AC		Applicable Connector	HNC1-2.5S- * HNC2-2.5S- *	
	Current	22 AWG to 24 AWG : 3A 26 AWG : 2A		Applicable wire	22AWG to 26AWG	
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						
Contact resistance		20mV MAX, 1mA (DC or 1000Hz).		10 mΩ MAX. 	X	—
Mechanical characteristics						
Contact insertion and extraction forces		□0.635±0.002 mm by steel gauge.		Insertion force: 4.9N MAX.  Extraction force: 0.4N MIN.	X	—
Mechanical operation		50 times insertion and extraction.		①Contact resistance: 20 mΩ MAX.  ②No damage, crack or looseness of parts.	X	—
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.		①No electrical discontinuity of 10 μ s. ②No damage, crack or looseness of parts.	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°C , 90 to 95 %, 96 h. (After leaving the room temperature for 1-2h.)		①Contact resistance: 10 mΩ MAX.  ②No 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.)			X	—
Corrosion, salt mist		Exposed in 5% salt water spray for 48h.		No heavy corrosion.	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 is applied for interim storage during transportation.						
	Count	Description of revisions	Designed	Checked	Date	
	5	DIS-H-00002589	HK. HAYASHI	TS. FUKUSHIMA	17. 02. 27	
Remarks				Approved	KJ. KATAYOSE	05. 01. 05
				Checked	TY. OMA	05. 01. 05
				Designed	TS. KUMAZAWA	05. 01. 05
				Drawn	TS. KUMAZAWA	05. 01. 05
Unless otherwise specified, refer to IEC 60512.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.		ELC4-007982-02	
	Specification sheet		Part No.	HNC-2. 5S-C-A (01)		
	HIROSE ELECTRIC CO., LTD.		Code No.	CL218-0021-5-01		1/1