

Applicable standard				
Rating	Operating Temperature range	-55 °C to +85°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	250V AC/DC	Applicable Connector	HNC1-2.5S- * HNC2-2.5S- *
	Current	26 AWG : 2A/pin 28 AWG : 1A/pin 30 AWG : 0.5A/pin	Applicable wire	26AWG to 30AWG

Specifications

Item	Test method	Requirements	QT	AT
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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	-
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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.	1)Contact resistance: 20 mΩ MAX. 2)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.	1)No electrical discontinuity of 10 μs. 2)No 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.)	1)Contact resistance: 10 mΩ MAX. 2)No 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 unused product on packaged condition.

Count	Description of revisions	Designed	Checked	Date
1	DIS-H-00009479	TS. KUMAZAWA	SZ. ONO	20210528
Format change		Approved	KJ. KATAYOSE	20050105
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Unless otherwise specified, refer to IEC 60512.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	Drawing No.	ELC4-007783-01
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HRS	Specification sheet	Part No.	HNC-2.5S-C-B(01)		
	HIROSE ELECTRIC CO., LTD.	Code No.	GL0218-0020-2-01		1/1