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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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	150 V AC/DC	Current	AWG 26 : 2.5A ⚠1 AWG 28 : 2.0A AWG 30 : 1.0A
	Applicable cable	26 - 30 AWG		

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 millivolt level method	20mV MAX, 1mA (DC OR 1000Hz).	30 mΩ MAX.	X	–
Mechanical characteristics				
Contact insertion and extraction force	□0.35±0.002mm by steel gauge.	Insertion force : 3.0N MAX. Extraction force : 0.3N MIN.	X	–
Mechanical operation	50 times insertions and extractions.	①Contact resistance: 30 mΩ max. ②No damage, crack or looseness of parts.	X	–
Vibration	Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 2 h, for 3 directions.	①No electrical discontinuity of 1 μs. ②No damage, crack or looseness of parts.	X	–
Shock	490 m/s^2 duration of pulse 11 ms at 3 times for 3 directions.	①No electrical discontinuity of 1 μs. ②No damage, crack or looseness of parts.	X	–
Environmental characteristics				
Rapid change of temperature	Temperature -55→ 5 to 35→+85→ 5 to 35 °c Time 30→ 10 to 15→ 30→ 10 to 15 min. Under 5 cycles. (The transferring time of the tank is 2 to 3 MIN) (After leaving the room temperature for 1 to 2h.)	①Contact resistance: 30 mΩ MAX. ②No damage, crack or looseness of parts.	X	–
Damp heat (Steady state)	Exposed at 40 ± 2 °c, 90 to 95 %, 96 h.	①Contact resistance: 30 mΩ MAX. ②No damage, crack or looseness of parts.	X	–

Remarks

Note 1:Including the temperature rise 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, operation temperature and humidity range is applied for interim storage during transportation.

	Count	Description of revisions	Designed	Checked	Date
⚠1	1		HT. SATO	SZ. ONO	20181108

Approved	TS. SAKATA	20090915
Checked	TS. FUKUSHIMA	20090914
Designed	KT. ISHII	20090911
Drawn	YK. NAKATSU	20090908

Unless otherwise specified, refer to IEC 60512.

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

Drawing No. ELC4-071220-06

HRS	SPECIFICATION SHEET	Part No.	DF13-2630SCFA(04)	
	HIROSE ELECTRIC CO., LTD.	Code No.	CL536-0298-5-04	⚠1 1/1

FORM HD0011-2-1