Oct.1.2022 Copyright 2022 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
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(Notes 1)	Storage temperature range	-10°C to +60 °C(Note 3)
	Operating humidity range △1	20% to + 80%(Note 2)	Storage humidity range △1	40% to + 70%(Note 3)
	Voltage	150 V AC/DC	Current △1	AWG 26 : 2.5A 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	20 mV 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.	×	–
Mechanical operation	50 times insertions and extractions.	① Contact resistance: 30 mΩ MAX. ② No damage, crack or looseness of parts.	X	–
Vibration	Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 2 h, for 3 directions.	① No electrical discontinuity of 1 μs. ② No damage, crack or looseness of parts.	X	–
Shock	490 m/s^2 duration of pulse 11 ms at 3 times for 3 directions.	① No electrical discontinuity of 1 μs. ② No damage, crack or looseness of parts.	X	–
Environmental characteristics				
Rapid change of temperature △1	Temperature –55→15 to 35 →+85→15 to35 °c Time 30→10 to 15→ 30 →10 to 15min Under 5 cycles.	① Contact resistance: 30 mΩ MAX. ② No damage, crack or looseness of parts.	X	–
Damp heat (Steady state) △1	Exposed at 40 ± 2 °c, 90 to 95 %, 96 h.	① Contact resistance: 30 mΩ MAX. ② No damage, crack or looseness of parts.	X	–
Corrosion salt mist	Exposed in 5 % salt water spray for 48h.	① Contact resistance: 60 mΩ MAX. ② No heavy corrosion.	X	–
Sulphur dioxide	Exposed in 10 ppm for 96h	① Contact resistance: 60 mΩ MAX. ② No heavy corrosion.	X	–

Remarks
Note 1: Include the temperature rising by current.
Note 2: No condensing. △1
Note 3: Apply to the condition of long term storage for unused products before mounted on PCB. △1
After mounted on PCB, operation temperature and humidity range is applied for interim storage during transportation.

	Count	Description of revisions	Designed	Checked	Date
△1	7		HT. SATO	SZ. ONO	20190531

Unless otherwise specified , refer to IEC 60512.

Approved	TY. OMA	20060912
Checked	HK. UMEHARA	20060906
Designed	TS. KUMAZAWA	20060906
Drawn	AK. MIURA	20060906

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

Drawing no. ELC-071220-41-02

HRS

Specification sheet

Hirose electric co., ltd.

Part no. DF13-2630SCFA(41)

Code no. CL536-0298-5-41 △1 1/1

FORM HD0011-2-1