Mar.1.2024 Copyright 2024 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	20% to + 80%(Note 2)	Storage humidity range	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)	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.
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	2		HT. SATO	SZ. ONO	20190531

Unless otherwise specified , refer to IEC 60512.

Approved	TS. SAKATA	20091207
Checked	TS. FUKUSHIMA	20091207
Designed	KT. ISHII	20091206
Drawn	YK. NAKATSU	20091113

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

HRS	Specification sheet	Drawing no.	ELC-071220-00-07	
	Hirose electric co., ltd.	Part no.	DF13-2630SCFA	
		Code no.	CL536-0298-5-00	△1 1/1

FORM HD0011-2-1