

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 	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.	x	—
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 		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
	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	
	Specification sheet		Part no.	DF13-2630SCFA (41)	
	Hirose electric co., ltd.		Code no.	CL536-0298-5-41	 1/1