

Applicable standard					
Rating	Operating temperature range	-30 °C to +85 °C(Note1)	Storage temperature range	-10°C to +60 °C(Note2)	
	Operating humidity range	40% to + 80%	Storage humidity range	40% to + 70%	
	Voltage	100 V AC	UL・CSA Rating	30V AC	
	Current	1 A		1 A	
	Applicable cable	UL1061 AWG26			
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		100 mA (DC or 1000 Hz).	30 mΩ MAX.	X	—
Insulation resistance		500 V DC.	1000 MΩ MIN.	X	—
Voltage proof		650 V AC for 1 min.	No flashover or breakdown.	X	—
Mechanical characteristics					
Contact insertion and extraction forces		□ 0.5±0.002mm by steel gauge.	Insertion force: 4.4 N MAX. Extraction force: 0.3 N 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 10μs. 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.		X	—
Environmental characteristics					
Damp heat (Steady state)		Exposed at 40 ± 2 °c, 90 to 95 %, 96 h.	① Contact resistance: 30 mΩ MAX. ② Insulation resistance: 500 MΩ MIN. ③ No damage, crack or looseness of parts.	X	—
Rapid change of temperature		Temperature -55±3→5to35→+85±2→5to35 °c Time 30 → 5 → 30 → 5 min Under 5 cycles.	① Contact resistance: 30 mΩ MAX. ② No damage, crack or looseness of parts.	X	—
Remarks Note1: Include the temperature rising by current. Note2: Apply to the condition of long term storage for unused products before PCB on board , After PCB board , operating temperature and humidity range is applied for interim storage during transportation.					
	Count	Description of revisions	Designed	Checked	Date
△					
Unless otherwise specified, refer to IEC 60512.			Approved	HS. OKAWA	17. 01. 17
			Checked	TS. FUKUSHIMA	17. 01. 17
			Designed	MI. SAKIMURA	17. 01. 17
			Drawn	MI. SAKIMURA	17. 01. 17
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing no.		ELC-315862-53-00
HRS	Specification sheet		Part no.	DF11-*DS-2R26 (53)	
	Hirose electric co., ltd.		Code no.	CL543	△ 1/1