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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	-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
△0					

Approved	HS. OKAWA	17. 01. 17
Checked	TS. FUKUSHIMA	17. 01. 17
Designed	MI. SAKIMURA	17. 01. 17
Drawn	MI. SAKIMURA	17. 01. 17

Unless otherwise specified, refer to IEC 60512.

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 △0	1/1

FORM HD0011-2-1