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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	-40 °C to +85°C (Note1)	Storage Temperature range	-10 °C to +60°C (Note3)
	Operating Humidity range	20% to 80% (Note2)	Storage Humidity range	40% to 70% (Note3)
	Voltage	100V AC/DC	Applicable Connector	DF52#-2S-0.8H
	Current	AWG28 : 2.5A AWG30 : 2.0A AWG32 : 1.5A	Applicable contact	DF52-2832PCF

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				
Insulation resistance	100 V DC.	100 MΩ MIN.	X	–
Voltage proof	300 V AC for 1 min.	No flashover or breakdown.	X	–
Mechanical characteristics				
Vibration	Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.	No damage, crack or looseness of parts.	X	–
Shock	490 m/s^2 duration of pulse 11 ms at 3 times each for 3 both axial directions.	No damage, crack or looseness of parts.	X	–
Environmental characteristics				
Damp heat (Steady state)	Exposed at 40 ± 2℃ , 90 to 95 %, 96 h. (After leaving the room temperature for 1 - 2h.)	①Insulation resistance: 100 MΩ MIN. ②No damage, crack or looseness of parts.	X	–
Rapid change of temperature	Temperature -55℃→ +85℃ Time 30min→ 30min Under 5 cycles. (The transferring time of the tank is 2 - 3 min) (After leaving the room temperature for 1 - 2h.)	①Insulation resistance: 100 MΩ MIN. ②No damage, crack or looseness of parts.	X	–

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
△0					

Remarks

Unless otherwise specified, refer to IEC 60512.

Approved	HS. OKAWA	17. 07. 06
Checked	TS. FUKUSHIMA	17. 07. 06
Designed	MI. SAKIMURA	17. 07. 06
Drawn	MI. SAKIMURA	17. 07. 06

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

HRS	Specification sheet	Drawing No.	ELC-356479-00-00	
		Part No.	DF52-2P-0. 8C	
	HIROSE ELECTRIC CO., LTD.	Code No.	CL668-0013-6-00	△0 1/1

FORM HD0011-2-1