



## WDA120F Safety test results

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WS Design Section

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No.	Test item	Conditions	Conditions of acceptability	Result
1	High temp./Overload test	(1) Input : 115VAC (2) Output : Overload (3) Ambient temp : 50°C (4) Test period : 48 hours	(1) The power supply is not failed.	Pass
2	No ventilation test	(1) Input : 115VAC (2) Output : Rated current (3) Ambient temp. : 25±10°C (4) Test period : 48 hours	(1) No smoke or fire.	Pass
3	Capacitance reduction test	(1) Input : 230VAC (2) Output : Rated current (3) Ambient temp. : 25±10°C	(1) No smoke or fire. (2) No rise on the output voltage.	Pass
4	Low voltage input test	(1) Input Min. regulation voltage(77VAC) (2) Output : Rated current (3) Ambient temp. : 25±10°C (4) Test period : 48 hours	(1) The power supply is not failed.	Pass
5	Input On/Off test	(1) Input : 264VAC T = 2sec, Duty = 50% (2) Output : Rated current (3) Ambient temp. : 50°C (4) On/Off period : 1,000 times	(1) The power supply is not failed. (2) The surge current into each component does not exceed the rated value.	Pass
6	Output On/Off test	(1) Input : 230VAC (2) Output : 0% ⇄ 100% T = 10sec, Duty = 50% (3) Ambient temp. : 25±10°C (4) On/Off period : 1,000 times	(1) The power supply is not failed.	Pass
7	Output-short start test	(1) Input : 230VAC (2) Output : Short-circuit (3) Ambient temp. : 25±10°C	(1) The power supply is not failed.	Pass
8	Output short test	(1) Input : 230VAC (2) Output : Short-circuit (3) Ambient temp. : 25±10°C (4) Test period : 48 hours	(1) The power supply is not failed.	Pass
9	Withstand voltage test (Hi-Pot test)	(1) Input : No input (2) Ambient temp. : 25±10°C (3) Test voltage : specifications	(1) Insulation breakdown, flashover or electric arc is not occurred.	Pass
10	Isolation resistance test	(1) Input : No input (2) Ambient temp. : 25±10°C	(1) Satisfies the specifications.	Pass
11	Vibration/Impact test	Vibration (1) f = 10 - 55Hz, 19.6 m/s <sup>2</sup> (2) 3 minutes period (3) 60 minutes along Z axis Impact (1) 196.1 m/s <sup>2</sup> , 11msec (2) Once each X, Y and Z axis	(1) No degradation of electric characteristics after test. (2) No crack at solder joint. (3) No marked damage of appearance.	Pass
12	Line noise tolerance test	(1) Input : 230VAC (2) Output : Rated current (3) Ambient temp. : 25±10°C (4) Test Voltage : ±3 kV (5) Pulse width : 50~1000nsec (6) Mode : Normal and Common	(1) No protection circuit failure. (2) No output voltage drop with control circuit failure. (3) No any other function failure.	Pass