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| No. | Test item | Conditions | Conditions of acceptability | Result |
|-----|---|--|---|--------|
| 1 | High temp./overload test | (1) Rated input (AC100V) (2) Overload (3) Ambient temp. 55°C (4) Test period 48 hours | (1)Power supply is not failed. | Pass |
| 2 | No ventilation test | (1) Rated input (AC100V) (2) Rated output (3) Ambient temp. 25±10°C (4) Test period 48 hours | (1)No smoke, no fire. | Pass |
| 3 | Capacitance reduction test | (1) Rated input (AC100V,230V) (2) Rated output (3) Ambient temp. 25±10°C | (1)No smoke, no fire. (2)No rise of the output voltage. | Pass |
| 4 | Low voltage input test | (1) Input Min. regulation voltage (AC63V) (2) Rated output (3) Ambient temp. 25±10°C (4) Test period 48 hours | (1)No smoke, no fire. (2)No rise of the output voltage. | Pass |
| 5 | Input ON/OFF test | (1) Input (AC264V) T= 2sec Duty= 50% (2) Rated output (3) Ambient temp. 70°C (4) On/Off period 1,000 | (1)Power supply is not failed. (2)The surge current of each components should not exceed the rated value. | Pass |
| 6 | Output ON/OFF test | (1) Rated input (AC230V) (2) Output 0%←→100% T= 2sec Duty= 50% (3) Ambient temp. 25±10°C (4) On/Off period 1,000 | (1)Power supply is not failed. | Pass |
| 7 | Output-short start test | (1) Rated input (AC100V,230V) (2) Output short start (3) Ambient temp. 25±10°C | (1)Power supply is not failed. | Pass |
| 8 | Output short test | (1) Rated input (AC100V,230V) (2) Output short (3) Ambient temp. 25±10°C (4) Test period 48 hours | (1)Power supply is not failed. | Pass |
| 9 | Withstand voltage test (High-pot test) | (1) Input Not applied. (2) Ambient temp. 25±10°C (3) The applied voltage is a specification value. | (1)Isolation breakdown , flashover or electric arc is not occurred. | Pass |
| 10 | Isolation resistance test | (1) Input Not applied. (2) Ambient temp. 25±10°C | (1)When a regulation voltage is applied, isolation resistance is more than specifications. | Pass |
| 11 | Vibration/impact test | Vibration (1)f=10~55Hz : 19.6m/s ² (2)3 minutes period (3)60 minutes along X, Y and Z axis Impact (1)196.1m/s ² 11ms (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) Rated input (AC230V) (2) Rated output (3) Ambient temp. 25±10°C (4) Test voltage ±2 kV (5) Pulse width 50~1000nS (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 |