

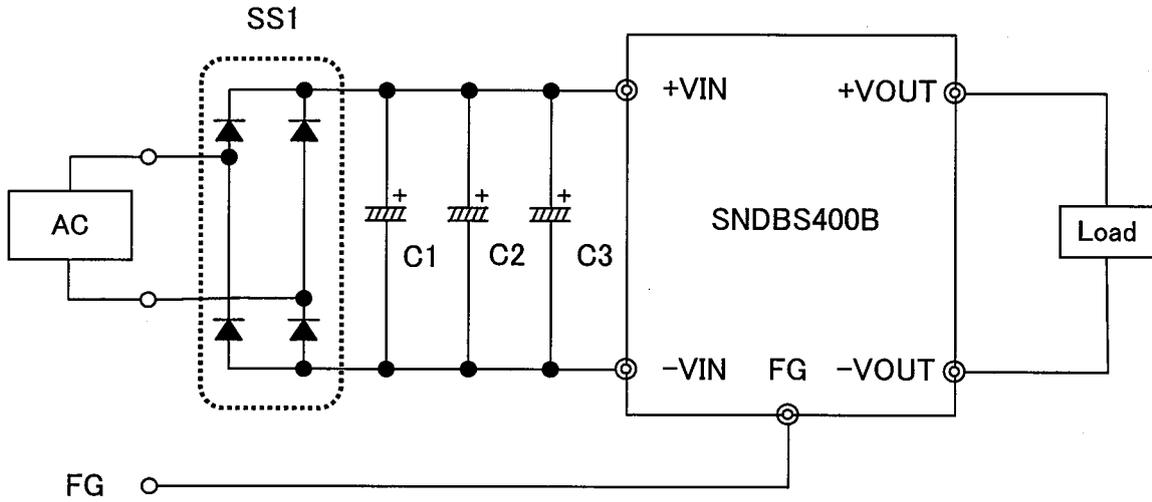


SNDBS400B Safety test result

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No.	Test item	Conditions	Conditions of acceptability	Result
1	High temp./overload test	(1) Rated input DC280V (2) Overload (3) Base Plate end face temp : 80°C (4) Test period 48 hours	(1)Power supply is not failed.	OK
2	Low voltage input test	(1) Input : Min. regulation voltage (2) Rated output (3) Base plate end face temp.:80°C (4) Test period 48 hours	(1)Power supply is not failed.	OK
3	Input ON/OFF test	(1) Input : Max.voltage DC400V T= 2sec Duty= 50% (2) Rated output (3) Ambient temp. 25±10°C (4) On/Off period 1,000 times	(1)Power supply is not failed. (2)The surge current of each components should not exceed the rated value.	OK
4	Output ON/OFF test	(1) Rated input DC280V (2) Output 0%←→100% T= 2sec Duty= 50% (3) Ambient temp. 25±10°C (4) On/Off period 1,000 times	(1)Power supply is not failed.	OK
5	Output-short start test	(1) Rated input DC280V (2) Output : Short start (3) Ambient temp. 25±10°C	(1)Power supply is not failed.	OK
6	Output short test	(1) Input DC280V (2) Output : Short (3) Ambient temp. 25±10°C (4) Test period 48 hours	(1)Power supply is not failed.	OK
7	Withstand voltage test (High-pot test)	(1) Input : Not applied. (2) Ambient temp. 25±10°C (3) The applied voltage is 1.4 times of specifications.	(1)Insulation breakdown , flashover electric arc is not occurred.	OK
8	Isolation resistance test	(1) Input : Not applied. (2) Ambient temp. 25±10°C	(1)When a regulation voltage is applied, isolation resistance is 1.4 times of specifications.	OK
9	Vibration/impact test	Vibration (1)f=10~150Hz : 29.4m/s ² (2)3 minutes period (3)60 minutes along X, Y and Z axis Impact (1)294.2m/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.	OK
10	Line Noise Tolerance test	(1) 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.	OK



SS1 : D25XB60H(SHINDENGEN)
 C1,C2,C3 : 330uF

Fig.1 Line Noise Tolerance Testing Circuitry