

Approved : *Takahiro Yoneda*
Takahiro YonedaPrepared : *Tadashi Arai*
Tadashi Arai

No.	Test item	Conditions	Conditions of Acceptability	Result
1	Line conduction	(1) Rated input AC230V (2) Rated load (3) Ambient temp. $25 \pm 10^{\circ}\text{C}$	(1) Meets the undermentioned standard. FCC Part15 classA, VCCI classA CISPR22 classA, EN55022-A EN55011-A	OK
2	Radiated emission	(1) Rated input AC230V (2) Rated load (3) Ambient temp. $25 \pm 10^{\circ}\text{C}$	(1) Meets the undermentioned standard. FCC Part15 classA, VCCI classA CISPR22 classA, EN55022-A EN55011-A	OK
3	Harmonic current (EN61000-3-2)	(1) Rated input AC230V (2) Rated load (3) Ambient temp. $25 \pm 10^{\circ}\text{C}$	(1) Meets the undermentioned standard. EN61000-3-2 classA	OK
4	Static electricity immunity test (EN61000-4-2)	(1) Rated input AC230V (2) Rated load (3) Ambient temp. $25 \pm 10^{\circ}\text{C}$ (4) Contact discharge voltage 8[kV] (Level 4)	(1) No protection circuit failure. (2) No output voltage drop with control circuit failure. (3) No any other function failure.	OK
5	Radiated, radio-frequency, electromagnetic field immunity test (EN61000-4-3)	(1) Rated input AC230V (2) Rated load (3) Ambient temp. $25 \pm 10^{\circ}\text{C}$ (4) Testing field strength (Level 3) ① 10[V/m] (80MHz to 1.0GHz) ② 3[V/m] (1.4GHz to 2.0GHz) ③ 1[V/m] (2.0GHz to 2.7GHz)	(1) No protection circuit failure. (2) No output voltage drop with control circuit failure. (3) No any other function failure.	OK
6	Electrical fast transient/ burst immunity test (EN61000-4-4)	(1) Rated input AC230V (2) Rated load (3) Ambient temp. $25 \pm 10^{\circ}\text{C}$ (4) Test peak voltage 4[kV] (Level 4)	(1) No protection circuit failure. (2) No output voltage drop with control circuit failure. (3) No any other function failure.	OK
7	Surge immunity test (EN61000-4-5)	(1) Rated input AC230V (2) Rated load (3) Ambient temp. $25 \pm 10^{\circ}\text{C}$ (4) Test voltage Line to line 2[kV] (Level 3) Line to earth 2[kV] (Level 3)	(1) The power supply is not stop (2) Circuit does not malfunction. (3) No abnormality of the insulation destruction etc. (4) Parts are no damaged.	OK
8	Immunity to conducted disturbances, induced by radio-frequency fields. (EN61000-4-6)	(1) Rated input AC230V (2) Rated load (3) Ambient temp. $25 \pm 10^{\circ}\text{C}$ (4) Voltage level (e.m.f.) 10[V] (Level 3)	(1) No protection circuit failure. (2) No output voltage drop with control circuit failure. (3) No any other function failure.	OK
9	Voltage dips, short interruptions and voltage variations immunity test (EN61000-4-11)	(1) Rated input AC230V • 30% reduction at 500ms. • 60% reduction at 200ms. • 100% reduction at 5s. (2) Rated load (3) Ambient temp. $25 \pm 10^{\circ}\text{C}$	(1) No protection circuit failure. (2) No output voltage drop with control circuit failure. (3) No any other function failure.	OK