[CLAIMS]

1. A switch unit, comprising:

a switch (26) having a movable electrode (17) and a fixed electrode (16) facing the movable electrode;

a bushing conductor (14) to be electrically connected to one of the movable electrode or the fixed electrode and to be connected to a bus bar (40); and

a bushing conductor (15) to be electrically connected to the other of the movable electrode or the fixed electrode and to be connected to a cable (42);

wherein the switch unit is casted as one body with a resin (2), the resin is provided with resin fins (1, 41), and the resin fin has a thickness sloped in the longitudinal direction of the resin fin.

2. The switch unit according to claim 1,

wherein the thickness of the resin fin (1, 41) is thick near a heat buildup region and thin near a region having a small amount of heat generation.

3. The switch unit according to claim 2,

wherein the heat buildup region is a region around each bushing conductor (14, 15) and the thickness of the resin fin around the bushing conductor is the thickest (1').

4. The switch unit according to any one of claims 1 to 3,

wherein the switch is a breaker (26) having a closing

function and a current interrupting function, and

wherein the switch unit further includes a grounding switch (27) being capable of switching between closing and grounding.

5. The switch unit according to claim 4,

wherein the breaker is a vacuum circuit breaker (26) installing the movable electrode (17) and the fixed electrode (16) in a vacuum container (8), and

wherein the grounding switch is a ground disconnecting switch (27) being capable of switching among closing, disconnecting, and grounding.

6. The switch unit according to any one of claims 1 to 5,

wherein the thickness of the resin fin is continuously increased or decreased.

7. The switch unit according to any one of claims 1 to 5,

wherein the thickness of the resin fin is increased or decreased in stages.

8. Switchgear comprising:

the switch unit (46) according to any one of claims 1 to 7, a bus bar (40), a load-side cable (42), and an operation device (43) for operating the movable electrode (17).

[CLAIMS]

1. A switch unit, comprising:

a switch having a movable electrode and a fixed electrode facing the movable electrode;

a bushing conductor to be electrically connected to one of the movable electrode and the fixed electrode and to be connected to a bus bar; and

a bushing conductor to be electrically connected to the other of the movable electrode and the fixed electrode and to be connected to a cable,

the switch unit characterized in that the switch unit is casted as one body with a resin, the resin is provided with resin fins, and the resin fin has a thickness sloped in the longitudinal direction of the resin fin.

2. The switch unit according to claim 1,

characterized in that the thickness of the resin fin is thick near a heat buildup region and thin near a region having a small amount of heat generation.

3. The switch unit according to claim 2,

characterized in that the heat buildup region is a region around each bushing conductor and the thickness of the resin fin around the bushing conductor is the thickest.

4. The switch unit according to any one of claims 1 to 3,

characterized in that the switch is a breaker having a closing function and a current interrupting function, and a grounding switch being capable of switching between closing and grounding.

5. The switch unit according to claim 4,

characterized in that the breaker is a vacuum circuit breaker installing the movable electrode and the fixed electrode in a vacuum container being vacuum condition inside thereof, and

the grounding switch is a ground disconnecting switch being capable of switching to disconnecting in addition to switching to closing and grounding.

6. The switch unit according to claim 1,

characterized in that the thickness of the resin fin is continuously increased or decreased.

7. The switch unit according to claim 1,

characterized in that the thickness of the resin fin is increased or decreased in stages.

8. Switchgear comprising:

an operation device for operating the switch unit, the bus bar, the load-side cable, and any one of the movable electrode according to claim 1.

9. The switch unit according to claim 1,

wherein the switch unit is provided with a plurality of the switches, the plurality of the switches being a vacuum valve and a ground disconnecting portion, both of which has the movable electrode and the fixed electrode respectively,

the bushing conductor to be connected to the bus bar is electrically connected to the fixed electrode of the ground disconnecting portion,

the bushing conductor to be connected to the cable is electrically connected to the fixed electrode of the vacuum valve,

the thickness of the resin fin around the each bushing conductor is the thickest and the thickness of the resin fin near a region having a small amount of heat generation region is thin, and

the resin fin is configured so that temperature of the heat-radiation surface of the resin fin is the same as that of the heat source.

10. Switchgear comprising:

the switch unit according to any one of claims 1 to 7 and 9, a bus bar, a load-side cable, and an operation device for operating the movable electrode.