CLAIMS

1. A busbar system (10), comprising:

a busbar (14) with at least two parallel arranged phase conductors (33) running between a first end (28a) and a second end (28b) of the busbar (14);

at least two feeders (16a, 16b) connected onto the busbar (14), each feeder (16a, 16b) comprising contacts (34) for at least some of the phase conductors (33) of the busbar (14);

a first supply line (24a) and a second supply line (24b) interconnecting the first feeder (16a) and the second feeder (16b) with a common power supply (18);

wherein a first feeder (16a) of the at least two feeders is connected onto the first end (28a) of the busbar (14) and a second feeder (16b) of the at least two feeders is connected onto the second end (28b) of the busbar (14);

wherein each of the first supply line (24a) and the second supply line (24b) has a higher impedance than the busbar (14);

wherein the busbar system (10) further comprises at least one third feeder (16c) connected onto the busbar (14) between the first and second feeder (16a, 16b)..

2. The busbar system (10) of claim 1,

wherein the common power supply (18) comprises a short-circuit protection device (26).

3. The busbar system (10) of one of the preceding claims,

wherein the first supply line (24a) and the second supply line (24b) have the same impedance.

4. The busbar system (10) of one of the previous claims,

wherein the contacts (34) comprises at least one of a plug-in contact, a bolt-on contact and a screw-in contact.

5. The busbar system (10) of one of the preceding claims,

wherein the busbar (14) comprises two, three or more phase conductors (33, L1, L2, L3).

6. The busbar system (10) of one of the preceding claims,

wherein the busbar (14) comprises at least one of three phase conductors (33, L1, L2, L3) and at least one neutral conductor (33, N).

7. The busbar system (10) of one of the preceding claims,

wherein the busbar (14) comprises at least one additional protective conductor (33, PE).

8. The busbar system (10) of one of the preceding claims,,

wherein the third feeder (16c) is connected with a third supply line (24c) with the common power supply (18) of the feeders.

9. The busbar system (10) of claim 8,

wherein the third supply line (24c) has a higher impedance than the busbar (14).

10. The busbar system (10) of claim 8 or 9,

wherein the third supply line (24c) has the same impedance as supply lines (24a, 24b) of the first feeder (16a) and the second feeder (16b).

11. The busbar system (10) of one of the preceding claims,

wherein more than three feeders (16a, 16b, 16c) are connected onto the busbar (14), wherein each feeder (16a, 16b, 16c) is connected with a supply line (24a, 24b, 24c) with the common power supply (18) of the feeders;

wherein each of the supply lines (24a, 24b, 24c) has a higher impedance than the busbar (14) and/or the supply lines (24a, 24b, 24c) have the same impedance.

12. The busbar system (10) of one of the preceding claims, further comprising:

at least one load tap (19, 19') for supplying an electrical load (20, 20'), each load tap being connected onto the busbar (14) and each load tap comprising contacts (34) for at least some of the phase conductors (33) of the busbar (14);

wherein the at least one load tap (19, 19') is arranged between the first feeder (16a) and the second feeder (16b).

13. An electric cabinet (12) comprising the busbar system (10) according to one of the previous claims.