CLAIMS:

1. A three-phase terminal block, comprising

a cylindrical terminal block body; and

three single-phase terminals, each arranged along an axial direction of the terminal block body, and arranged at an outer circumference of the terminal block body, wherein the single-phase terminals each are provided with a first terminal portion and a second terminal portion, which are respectively located on two ends along an axial direction of the terminal block body,

wherein

the terminal block body is provided therein with a wiring groove; and

on a projection plane of the terminal block body perpendicular to the axial direction, projection planes of the first terminal portions perpendicular to the axial direction are located at an outer circumference of a projection plane of the wiring groove perpendicular to the axial direction, and projection planes of the second terminal portions perpendicular to the axial direction are located inside the projection plane of the wiring groove perpendicular to the axial direction.

2. The three-phase terminal block according to claim 1, wherein

the terminal block body comprises a central ring portion, outer connecting portions and inner connecting portions; the central ring portion encircles the wiring groove; the inner connecting portions each extend in the wiring groove from the central ring portion; and the outer connecting portions each extend away from the wiring groove from the central ring portion; and

the single-phase terminals pass through the central ring portion, the first terminal portions are located at the outer connecting portions, and the second terminal portions are located at the inner connecting portions.

3. The three-phase terminal block according to claim 2, wherein

the outer connecting portions and the first terminal portions are located outside the central ring portion in the axial direction.

4. The three-phase terminal block according to claim 2, wherein

the three single-phase terminals are connected with the central ring portion, the outer connecting portions and the inner connecting portions through a secondary injection molding process.

5. The three-phase terminal block according to claim 2, wherein

each of the outer connecting portions is provided with a shielding wall at an outer circumference of each of the first terminal portions.

6. The three-phase terminal block according to claim 1, wherein

the wiring groove is further provided therein with mounting portions, which are respectively located beside the second terminal portions.

7. The three-phase terminal block according to any one of claims 1 to 6, wherein

a magnetic ring is further provided at the outer circumference of the terminal block body.

8. A drive assembly, comprising the three-phase terminal block according to any one of claims 1 to 7.

9. A vehicle, comprising the drive assembly according to claim 8.