

Abstract

A protective door, a power track and a track socket, belonging to the technical field of sockets. The protective door (2) comprises a door base (21), door sheets (22) and reset springs (23), the door base (21) being provided with first limiting structures (211), each door sheet (22) being provided with a second limiting structure (221), the door sheets (22) being snap-fit on the door base (21) by means of cooperation of the first limiting structures (211) and the second limiting structures (221), and the door sheets (22) being capable of moving relative to the door base (21). The reset springs (23) are located between the door seat (21) and the door sheets (22), and the stretching and retraction direction of the reset springs (23) is parallel to the moving direction of the door sheets (22). Using the protective door (2) enables users to insert adapters into the power track or pull out the adapters from the power track with relatively small forces, thereby improving the smoothness of inserting and removing the adapters; moreover, the protective door (2) is not prone to deformation and aging, is not easily affected by oil smoke and salt stains, and has relatively high durability, thus further prolonging the service life of the power track, and enhancing user experience.

FIG. 3