

Abstract

This invention provides a lock device for an elevator floor door and an elevator. A lock device (100) for an elevator floor door comprises: a primary contact switch (1) having a primary contact switch receptacle (11) and a primary contact switch pin (12); a secondary contact switch (2) having a secondary contact switch receptacle (21) and a secondary contact switch pin (22); and a floor door lock mechanism comprising a stationary part (4) and a movable part (3), the movable part snapping freely relative to the stationary part, the primary contact switch pin being provided in the movable part, under the closed state of the floor door, the primary contact switch pin is inserted into the primary contact switch receptacle, the secondary contact switch pin is inserted into the secondary contact switch receptacle, and the movable part snaps with the stationary part; under the open state of the floor door, the primary contact switch pin is pulled from the primary contact switch receptacle, the secondary contact switch pin is pulled from the secondary contact switch receptacle, and snapping of the movable part and the stationary part is removed.

FIG. 4