

PUSH BUTTON SWITCH

ABSTRACT

Embodiments of the present invention disclose a push button switch. The embodiment of the present invention includes a driving spring 01, a rocker 02, a swing rod 03, a push button 21, a push button returning spring 22 and a shifter which includes a commutating tooth 11, a commutating tooth returning spring 12 and a positioning tooth 13. The positioning tooth 13 includes a diverging tooth 131 and a stopping tooth 132 and the positioning tooth 13 is located on the backside of the push button 21. The commutating tooth 11 is located below the positioning tooth 13. One end of the commutating tooth 11 is connected with the swing rod 03 and the other end thereof mates with the positioning tooth 13. One end of the driving spring 01 is connected with the swing rod 03 and the other end thereof is connected with the rocker 02. One end of the commutating tooth returning spring 12 is connected with the commutating tooth 11 and the other end thereof is connected with the swing rod 03. The push button switch in the present embodiment is added a shifter on the basis of a conventional rocker switch, which enables the rotating movement of the rocker switch to be converted to the straight-line movement of the push button 21 and allows the operating process of the push button switch to be smooth and stable.

Fig. 1