

Title (en)
PUSH BUTTON SWITCH

Title (de)
DRUCKKNOPFSCHALTER

Title (fr)
COMMUTATEUR À BOUTON-POUSOIR

Publication
EP 3319107 B1 20201028 (EN)

Application
EP 17199699 A 20171102

Priority
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Abstract (en)
[origin: EP3319107A1] Embodiments of the present invention relate to a push button switch, comprising: a swing rod (1) swingably supported on a base (4) and having a first side (11) and a second side (12) opposite to each other; an driver (2) connected to the first side of the swing rod (1) and rotatable between a first limiting position and a second limiting position; an electrically conductive bridge (3) having a moving contact (31) and deflectably coupled to the second side of the swing rod (1); an elastic element (5, 5') coupled between the driver (2) and the base (4) and drivably connected with the swing rod (1); and a push button (6). The elastic element (5, 5') is configured to be driven by the swing rod (1) to elastically deform when the push button (6) is pushed to cause swing of the swing rod (1), whereas when the push button (6) is released, the elastic element (5, 5') that is elastically deformed drives the driver (2) to rotate from one of the first limiting position and the second limiting position to another of the first limiting position and the second limiting position. The push button switch according to the present invention can implement reliable switch operations, prolong lifetime of the push button switch and facilitate assembly and manufacture. The push button switch has highly reliable operations, easy assembly and safe use.

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