

Title (en)
Push-button switch.

Title (de)
Tastschalter.

Title (fr)
Bouton poussoir.

Publication
EP 0326807 B1 19940309 (DE)

Application
EP 89100197 A 19890107

Priority
CH 32988 A 19880201

Abstract (en)
[origin: EP0326807A2] A slide (6), connected to the push-button (3, 4), is supported such that it can move axially in the housing (1). On the housing end facing away from the push-button (3, 4) there is a switching element (17) which contains one or more fixed contact pairs (33) and moving contact supports (27), each of which can be operated by a ram (18 to 20), associated therewith. The ram (18 to 20) is arranged such that it can move in the force path of the slide (6) with respect to the moving contact support (27) and is held in a first position under the influence of a spring (29) and can move into a second position counter to the influence of this spring. This is carried out in such a manner that, when the push-button (3, 4) is pushed, the slide (6) moves the ram (18 to 20) out of the first position into the second position, the ram thereby operating the moving contact support (27). In order to be able to operate the moving contact support (27) without play when the push-button is pressed, it is proposed that a pressure plate (11) be arranged in an overhung manner between the slide (6) and the ram or rams and that each ram (18 to 20) in each case exerts a restoring force on the pressure plate (11) by means of the associated spring (29). As a result of this restoring force, the pressure plate (11) is held in contact with the slide (6) at at least three contact points, the resultant of these restoring forces in the direction of movement of the slide (6) passing through the surface which is limited by the contact points. <IMAGE>

IPC 1-7
H01H 13/12

IPC 8 full level
H01H 13/20 (2006.01); **H01H 13/12** (2006.01); **H01H 13/28** (2006.01); **H01H 13/50** (2006.01)

CPC (source: EP US)
H01H 13/12 (2013.01 - EP US); **H01H 13/50** (2013.01 - EP US)

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