

Title (en)
PUSH BUTTON ELECTRIC SWITCH WITH ROCKER MECHANISM

Publication
EP 0112483 B1 19870909 (DE)

Application
EP 83111421 A 19831115

Priority
DE 3247319 A 19821221

Abstract (en)
[origin: EP0112483A1] 1. Electric pushbutton switch with a pushbutton (11), a base (10) and a pivot-mounted pressure stirrup (4), designed as a pivoted slider, as well as with a one-piece contact rocker (2), which can be tilted about a fixed bearing into two stable switch positions and bears a switching link (3), the switching link (3) effecting the switching-over in each case in alternating engagement with push rods (5) of the pressure stirrup (4), and a spiral-shaped compression spring (6) arranged between the pressure stirrup (4) and the contact rocker (2) bearing against the switching link (3) on the one hand and against the pressure stirrup (4) on the other hand, stabilizing the respective switching position, characterized in that the base (10) is provided with one or more base extensions (15), which the pushbutton (11) closely encloses in a sliding fit, in that grooves (9) or slots are followed out on the inside of the guide walls (21) provided on the base extension or base extensions (15) in that bearing pins (8) integrally attached in the region of the pivot axis of the pressure stirrup (4) are borne and guided in the grooves (9) or slots, making possible a pivotal and translational movement of the pressure stirrup (4) in the space between pushbutton (11) and contact rocker (2), in that the grooves (9) or slots are widened funnel-like in upward direction in the region of the opening of the base extension or of the base extensions (15), in that this upper region is separated from a lower region, in which the bearing pins (8) of the pressure stirrup (4) can slide, by means of flexible projections (23), which act as stops determining the position of rest of the pressure stirrup (4), and in that the fixed bearing is designed as a bar (1) for the contact rocker (2).

IPC 1-7
H01H 13/60

IPC 8 full level
H01H 13/60 (2006.01)

CPC (source: EP)
H01H 13/60 (2013.01)

Cited by
AU2006207771B2; EP0307364A3; DE3535974A1; EP0626706A1; CN114639568A; GB2441403A; GB2441403B; EP0301413A1; US4916269A; CN115241006A; WO2006076870A1; US7838789B2

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