

Title (en)
PUSH BUTTON SWITCH

Publication
EP 0100936 B1 19891206 (DE)

Application
EP 83107108 A 19830720

Priority
DE 3229465 A 19820806

Abstract (en)
[origin: US4467160A] A low profile switch key has a base which slidably supports a pushbutton. The pushbutton is slidably engaged with a plunger body by a lost motion connection. The plunger body carries cams which control the flexing of contactors to make and break conductive connections with adjacent stationary contacts. A coil spring biases the pushbutton upwardly to its rest position. The sliding lost motion between the pushbutton and plunger body allows the pushbutton to slide by itself over an initial pretravel interval when it is pressed. At the end of the pretravel interval, the pushbutton strikes the plunger body and carries the body downward to complete the key stroke. The plunger body resists sliding movement and therefore provides a perceptible pressure point which indicates actuation of the switch. The stationary contacts and associated overlying cams are interlocked when the pushbutton is depressed to provide a relatively low switch profile with respect to the length of the key stroke.

IPC 1-7
H01H 13/12

IPC 8 full level
H01H 13/12 (2006.01); **H01H 13/20** (2006.01); **H01H 13/52** (2006.01)

CPC (source: EP KR US)
H01H 13/00 (2013.01 - KR); **H01H 13/12** (2013.01 - EP US); **H01H 15/102** (2013.01 - EP US); **H01H 2001/0005** (2013.01 - EP US)

Cited by
DE102013205580A1; DE3737218A1; EP0306147A1; DE4138339C1; DE4203120C2; EP0499449A1; US5203448A; US10249454B2

Designated contracting state (EPC)
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