Title (en)

ELECTRIC SWITCH FOR DEVICES

Title (de)

ELEKTRISCHER SCHALTER FÜR GERÄTE

Title (fr)

COMMUTATEUR ELECTRIQUE POUR APPAREILS

Publication

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Application

EP 98944425 A 19980930

Priority

- SI 9800020 W 19980930
- SI 9700256 A 19971002

Abstract (en)

[origin: WO9918589A1] A switch for devices, which can be arranged with a fuse with a fuse-link or without a fuse, basically consists of a housing (1) having two equal halves (2), whereat both housings differ in that the housing with a fuse is extended for the width of a bed (3) for a fuse-link (4). In both halves (2) of the housing (1) there are beds (6, 7, 8) in the shape of ribs for fixed contacts (9, 10) and a contact (11) of the fuse-link (4). A moving contact (12) is guided in rib guides (13), supported by a spring (14) and directly controlled by a rod (15). On its opposite side the rod (15) reaches into a break handle (17), with which the switch is manually broken. The handle (17) has bearings on an axle (18) lying in both halves (2) of the housing (1). The rod (15) is near the handle (17) guided in each half (2) of the housing (1) by an arch-shaped rib (21), the centre of which lies in the centre of the axle (18). In both halves (2) of the housing (1) there are arch-shaped wings (26) near the axle (18) with the centre of their arch lying concentrically to the axle (18) or to the rib (21), which are arranged with an indentation (27) as a bed of the rod (15) with the contacts open. An arch (19) is eccentrically positioned with respect to the axle (18) or to the wing (26) so that in the position of the handle (17) with the electric contacts open, one end of the arch (19) lies near the limit fence (20) between the indentation (27) and the axle (18) and the opposite end of the arch (19) lies near the limit fence (20') on the imaginary arch-shaped extension of the wing (26) via the indentation (27). In the most open position of the handle (17), the rod (15) perfectly fits into the indentation (27) and the handle (17) is free of the force of the spring (14) exerted via the rod (15).

IPC 1-7

H01H 9/10; H01H 21/16

IPC 8 full level

H01H 9/10 (2006.01); **H01H 21/16** (2006.01); **H01H 71/02** (2006.01)

IPC 8 main group level

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CPC (source: EP)

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