

Title (en)

SAFETY SWITCH WITH UNLATCHING DISC

Title (de)

SICHERHEITSSCHALTER MIT ENTRIEGELUNGSSCHEIBE

Title (fr)

INTERRUPTEUR DE SECURITE A PLAQUE DE DEBLOCAGE

Publication

EP 1366503 A1 20031203 (DE)

Application

EP 02719785 A 20020208

Priority

- DE 10106228 A 20010210
- EP 0201334 W 20020208

Abstract (en)

[origin: US6861597B2] A device switches an electrical connection in accordance with the condition of a device to be monitored, especially to a safety switch (1) for a protective device. The safety switch includes a housing (2,3) in which a switch disk (7) is mounted for rotation about an axis (8). An actuator (5) can be inserted for triggering the switching process. A latching device blocks the switch disk (7). The latching device has a latching element (12a, 12b) guided in the switch disk (7) and movable against the effect of a first energy accumulator (11). In a position in which it blocks the switch disk (7), the latching element (12a, 12b) engages an associated recess (13a, 13b) in the housing (2, 3). A rotatable release element (14a, 14b) disposed beside the switch disk (7), is rotatable relative to the switch disk (7) when the actuator (5) is inserted. When the release element (14a, 14b) is rotated, the latching element (12a, 12b) is slid back parallel to the axis (8) into the switch disk (7) against the effect of the first energy accumulator (11), thereby placing it in a release position.

IPC 1-7

H01H 27/00

IPC 8 full level

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