Title (en)

MANUALLY-OPERATED ELECTRICAL SWITCH

Publication

EP 0242664 B1 19910102 (DE)

Application

EP 87104953 A 19870403

Priority

DE 8611082 U 19860423

Abstract (en)

[origin: EP0242664A1] The invention relates to a manually-operated circuit breaker (1) having a two-armed switch lever (9) supported such that it can pivot on the switch housing. Its drive arm (24) together with a push rod (11) form the guide of a bell crank (25) in kinematic drive terms. A contact link (13) connects two fixed contacts (14, 15). The pivoting movement of the switch lever produces a follow-through movement of the bell crank (25) through its extended position against a contact spring pressure, which allows the contact link (13) to be transferred into a contact open position, and vice versa. The push rod (11) is inserted such that it can pivot with an end remote from the contact (guide end 26) in a guide slot (27) running in its pivoting direction on the unsupported end of the drive arm (24) of the switch lever (9), and such that it can move in the slot direction. Between its ends, the push rod is provided with a latching tab (34) which, after a follow- through movement of the push rod (11) in the contact open direction, through the bell crank extended position under the contact spring force of the contact link (13) in the open position, is located in a stop position on a latch projection (35) fixed to the housing and holds the contact link (13) in the contact open position. <IMAGE>

IPC 1-7

H01H 9/10; H01H 21/84

IPC 8 full level

H01H 9/10 (2006.01); **H01H 19/635** (2006.01)

CPC (source: EP)

H01H 9/104 (2013.01); **H01H 19/635** (2013.01); H01H 1/20 (2013.01)

Cited by

CN1043098C; EP0584587A1; DE10115777A1; DE4014191A1; EP0317784A1; EP4053869A1; WO9505673A1; WO9834258A3; WO2006105861A1

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DOCDB simple family (publication)

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