

Title (en)

ELECTRICAL SWITCH, PARTICULARLY FOR MOTOR CARS, PROVIDED WITH ELECTRICAL LATCHING BOBBINS

Publication

EP 0130914 B1 19870909 (FR)

Application

EP 84401382 A 19840628

Priority

FR 8310760 A 19830629

Abstract (en)

[origin: EP0130914A1] 1. Electrical switch of the type comprising : a casing (10) which houses a control member (20) able to move between an inoperative position and an active position under the effect of an actuating force (FA), main electrical contacts (31-36) whereof the connection is able to be modified from a first state into a second state at the time of the movement of the control member, from the inoperative position to the active position and an electrical coil (50) associated with auxiliary electrical contacts (37-39) able to be supplied with power when the control member is moved into the active position and thus to immobilise the main electrical contacts in the second state, first return means (40-42) able to ensure a return of the control member (20) from the active position to the inoperative position when the actuating force (FA) ceases to be exerted on this member, without interrupting the supply of power to the coil (50), nor modifying the state of the main electrical contacts (31-36), second return means (70) able to bring about the return of the main electrical contacts (31-36) to the first state when the coil (50) ceases to be supplied with power, the control member (20) being adapted to allow opening of the circuit supplying power to the coil (50) when after having been moved into the active position in order to bring the main electrical contacts (31-36) into the second state, this member has returned to the inoperative position under the effect of the first return means (40) and when a new actuating force (FA) is exerted on the control member (20), characterised by the fact that it also comprises means forming an abutment (200), able to be moved from a first position to a second position when the control member (20), after having been moved from an inoperative position into an active position, has returned to the inoperative position so that in the first position, the means forming the abutment (200) limit the movement of the control member (20) to a given travel corresponding to the active position, in order to induce on the one hand the passage of the main electrical contacts (31-36) from the first state into the second, on the other hand the closure of the circuit supplying power to the coil (50), whilst allowing a greater travel of the control member (20), when the means forming the abutment (20) are in the second position in order to allow the control member (20) to intervene in the circuit for supplying power to the coil (50).

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