

Title (en)

ELECTROMAGNETIC SWITCH, IN PARTICULAR FOR STARTING DEVICES OF INTERNAL COMBUSTION ENGINES

Publication

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Application

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Priority

DE 3537598 A 19851023

Abstract (en)

[origin: WO8702824A1] An electromagnetic switch, in particular for starting devices of internal combustion engines, of which the switching pin (22) carrying the contact bridge (29) for the main current contacts (13 and 14) is provided with a guide sleeve (25), with which the switching pin (22) is supported and guided in the magnet armature (15) and in the magnet core (2). Via the guide sleeve (25), on which are applied on one side an armature return spring (21) supported on the magnet armature (15) and on the other side a stronger pressure spring (36) supported on the magnet core (2), the switching pin (22) is supported on the springs (21 and 36) and thus on the magnet armature (15) and magnet core (2). The magnet armature (15) and switching pin (22) together with the guide sleeve (25) can move in relation to one another. As a result, the distance between the contact bridge (29) and main current contact (13 and 14) can be kept much smaller than the travel of the magnet armature (15) towards the magnet core (2). The pressure spring (36) after the switch has been switched off reliably releases the contact bridge (29) from the main current contacts, returns the switch bolt (22) to its rest position and moves the magnet armature (15) away from the magnet core (2) after which the armature return spring (21) moves back the magnet armature (15) to its starting position.

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