

Title (en)

AUTOMATED CONTROL MODULE FOR ELECTRICAL CUT-OFF APPARATUS AND ELECTRICAL CUT-OFF APPARATUS EQUIPPED WITH SUCH A CONTROL MODULE

Title (de)

AUTOMATISIERTES STEUERMODUL FÜR STROMABSCHALTVORRICHTUNG UND STROMABSCHALTVORRICHTUNG, DIE MIT EINEM SOLCHEN STEUERMODUL AUSGESTATTET IST

Title (fr)

MODULE DE COMMANDE AUTOMATISE POUR APPAREIL DE COUPURE ELECTRIQUE ET APPAREIL DE COUPURE ELECTRIQUE EQUIPE D'UN TEL MODULE DE COMMANDE

Publication

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Application

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Abstract (en)

[origin: WO2007101920A1] The present invention relates to an automated control module for electrical cut-off apparatus, based on a simple, inexpensive and compact technology requiring few parts, making it possible to obtain ultra-short response times and excellent switching reliability and offering many possible switching combinations and a wide range of applications. This control module (10) is characterized in that it comprises an automated actuation mechanism (30) provided with two electromagnets (31) aligned in opposition, which are coupled to one and the same slide (34) bearing a rack (35) meshing with a driving pinion (40). This driving pinion (40) can rotate about a drive spindle (50) intended to be rotationally coupled to the drive shaft of the cut-off apparatus (1). This drive spindle (50) includes a ratchet wheel (51) driven in one direction or the other by pawls (43) fastened to the driving pinion (40) so as to switch said cut-off apparatus (1) according to the electromagnet controlled. This control module (10) also includes a manual actuation mechanism (60) and automatic clutch means for disengaging each of the mechanisms (30, 60) when the other is in operation. Applications: any electrical cut-off apparatus, circuit-breaker or switch having two or three stable positions.

IPC 8 full level

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