

Title (en)

REMOTE CONTROLLABLE DRIVING DEVICE FOR PROTECTIVE CIRCUIT-BREAKERS WITH AN ELECTROMAGNET

Publication

EP 0015228 B1 19830608 (DE)

Application

EP 80730013 A 19800215

Priority

JP 1922979 A 19790221

Abstract (en)

[origin: EP0015228A1] 1. Remote-controllable actuation device (1) for switching on and off electric protective switches comprising an electromagnet (5) and an actuation slide (4), which can be moved by means of the armature (8) of the electro-magnet (5) via a lever mechanism, for the operating handle (2) of the protective switch, characterized by the following features ; a) a two armed lever (17), which at its one end co-operates with the actuation slide (4), supports a coupling member (coupling bolts 17b, 17c) on each side of a stationary pivot bearing (11) ; b) an actuator (12), which is flexibly linked with the armature (8) of the electro-magnet (5) and upon which a past dead centre spring (16) fixed to the magnet coil (6) acts, possesses a central member (12c) which serves for guidance against the coupling members (coupling bolts 17b, 17c) of the two-armed lever (17) and which is widened in such a manner that when the armature (8) is reset into its rest position, the actuator (12) is guided via the dead centre and thus, following the performance of a switching action when the armature (8) is reset into its rest position, the actuator (12) is automatically separated from the one coupling member (e.g. coupling bolt 17b) and brought into engagement with the other coupling member (e.g. coupling bolt 17c) in order to prepare the reverse switching action, c) at its free end, the actuator (12) possesses two hooklike extremities (12a, 12b) which open towards opposite sides and interact with the coupling members (coupling bolts 17b, 17c).

IPC 1-7

H01H 51/08

IPC 8 full level

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CPC (source: EP)

H01H 51/088 (2013.01)

Citation (examination)

US 3893050 A 19750701 - SALVATI JOHN G, et al

Cited by

DE3116620A1; EP0148745A3; EP0183020A1; US2014218139A1; US9184014B2; US10643805B2

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