

Title (en)  
ELECTROMAGNETIC ACTUATOR

Title (de)  
ELEKTROMAGNETISCHER AKTUATOR

Title (fr)  
ACTIONNEUR ELECTROMAGNETIQUE

Publication  
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Application  
**EP 02779327 A 20020910**

Priority  
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Abstract (en)  
[origin: WO03030188A1] The invention relates to a bistable electromagnetic actuator, in particular a drive for a vacuum interrupter chamber, comprising a yoke, at least one permanent magnet, at least one coil and at least one displaceable armature. A first magnetic flux is generated by the armature and the yoke in such a way that the armature is held in one position and the coil generates a second magnetic flux that actuates the armature. The permanent magnet is located between the yoke and a fixed magnetic return element, in such a way that the magnetic fluxes run via the magnetic return element. In addition, the armature outside the yoke at least partially covers a front face of the yoke, said face running perpendicularly to the direction of displacement of the armature.

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