

Title (en)
Electromagnetic relay

Title (de)
Elektromagnetisches Relais

Title (fr)
Relais électromagnétique

Publication
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Application
EP 98902727 A 19980126

Priority
• US 9801534 W 19980126
• US 79616597 A 19970206

Abstract (en)
[origin: WO9835371A2] An electromagnetic relay includes a base, a bobbin with a core and at least one winding about the core, a pair of pole pieces extending perpendicularly from the ends of the core, an elongate armature movable with respect to a movable contact, a permanent magnet coupled magnetically between the core and armature and at least one stationary contact. The bobbin further comprises a set of end flanges adjacent the pole pieces, with a means for engaging the end flanges with the pole pieces. The base is provided with a hole therein for inserting an epoxy to bond the bobbin to the base. The cross-sectional area of the core is non-uniform to engage a pair of pole pieces. A bore within the bobbin has a non-uniform cross-sectional area. A bobbin is also provided with depressions at various locations of the flanges and with terminal wires molded within the flanges.

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