

Title (en)
MINIATURISED FLAT SPOOL RELAY

Title (de)
MINIATURISIERTES FLACHSPUL-RELAIS

Title (fr)
RELAIS MINIATURISE A BOBINE PLATE

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Application
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Abstract (en)
[origin: WO9927548A1] The invention relates to a microrelay comprising a magnetic spool, a contact support body (2) within which contacts are arranged, a permanent magnet (32) and an armature (31) which is tiltable around its axis between two positions, as well as a spring-loaded reversing system. The inventive micro relay is characterised in that the magnetic spool system (1) is configured as a flat spool system (1) in the form of a microstructure arranged on a flow plate (11) and is composed of at least one flat microspool (12'). The pivoting armature (31') can itself be configured in the form of a three pole magnet (32') or a two pole magnet (32''). The inventive microrelay has a minimal overall height and can be produced in a cost effective way in an automated manufacturing process.

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