

Title (en)
Pressure switch.

Title (de)
Druckschalter.

Title (fr)
Interrupteur à pression.

Publication
EP 0169280 A1 19860129 (EN)

Application
EP 84305034 A 19840724

Priority
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Abstract (en)
In accordance with the invention, there is provided a subminiature pressure switch for use with a printed circuit board, comprising a pressure chamber (6) having one wall defined by a flexible diaphragm (3) bearing directly upon a flexible and resilient moving contact (12) electrically connected to and preferably integral with a first conductor leg (15), and a static contact (11) co-operable with the said moving contact (12) and connected to a second conductor leg (14). The said moving contact (12) is arranged to flex about a hinge line at least partially defined by at least one rectilinear elongate cutout (18) in the contact material, the section and width of the said cutout(s) being chosen to impart a desired spring rate to the moving contact. The effective position of the static contact (11) is adjustable by means of a setting screw (13) adapted resiliently to deform a portion of the static contact (11) towards the moving contact (12). The switch has a two part housing, in which the parts (1,2) of the housing are crimped together with a periphery of the diaphragm (3) trapped between them by means of an annular marginal bead (4) which is received in a matching recess (5) in one of the housing parts (2).

IPC 1-7
H01H 35/34

IPC 8 full level
H01H 35/34 (2006.01)

CPC (source: EP)
H01H 35/34 (2013.01)

Citation (search report)
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BE DE FR GB IT NL

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