

Title (en)

Pressure sensitive switchmats.

Title (de)

Druckbeeinflusste Kontaktmatte.

Title (fr)

Tapis contacteur sensible à la pression.

Publication

**EP 0109159 A1 19840523 (EN)**

Application

**EP 83305906 A 19830929**

Priority

GB 8228024 A 19820930

Abstract (en)

An electrical switchmat having a normally open switch which is closed under a predetermined minimum load, the switchmat comprising a first metal sheet 3 separated from a load-bearing sheet 2 having an electrically conductive surface by resiliently compressible, non-conductive materials 5 and 7, and a plurality of bridging elements 6 positioned between the sheets such that when at least said predetermined minimum load is applied to the loadbearing sheet 2, the non-conductive material 5 and 7 compresses and one or more of the bridging elements establishes a conductive path between the sheets, the load-bearing sheet 2 being substantially rigid under the intended operating load of the switchmat and the bridging elements 6 being constructed and arranged such that when the load-bearing sheet is subjected to substantial overload, it is supported by the bridging elements 6 thereby preventing damage to the non-conductive materials 5 and 7.

IPC 1-7

**H01H 3/14**

IPC 8 full level

**H01H 3/14** (2006.01)

CPC (source: EP)

**H01H 3/141** (2013.01)

Citation (search report)

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