



This Sheet Has Been Replaced



ABSTRACT:

Thermally controlled electrical switching device

The invention relates to a thermally controlled electrical switching device comprising a temperature control (1) having a snap-action switch (2) comprising a fixed contact (4) and a movable contact (3) connected to a metal snap-action switching spring (9), and having a bimetallic element (5) which influences the movement of the movable contact. In order to minimise the heat produced in the mechanically loaded parts (17, 18) of the snap-action switching spring (9) the switching device comprises means which limit the current through these mechanically loaded parts. These means may comprise an electrically well conductive layer (30) provided on the non-mechanically loaded parts of the snap-action switching spring or a layer (31) having a high electrical resistance deposited on the mechanically loaded parts (17, 18).