

Title (en)
MULTIPOLE LINEAL SWITCH

Title (de)
LINEARER MEHRPOLIGER SCHALTER

Title (fr)
COMMUTATEUR LINÉAIRE MULTI-PÔLE

Publication
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Application
EP 15382143 A 20150325

Priority
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Abstract (en)
[origin: EP3073501A1] The invention refers to a multi-pole electric switch device operated by a rectilinearly-movable actuator (5) for alternatively opening and closing the electric connection of the poles of the switch. Each pole (2, 3 or 4) of the switch is formed by a movable contact (2b, 3b or 4b) and two fixed contacts (2a, 2c or 3a, 3c or 4a,4c), wherein the movable contacts are formed as a single-plate contacts having upper and lower surfaces, such as in the closed position of the switch, only the upper or the lower surface of each of the movable single-plate contacts, is contacted by its associated fixed contacts of the first and the second group. The relative position between the movable contact and the fixed contacts of a pole of the switch, alternate from one pole to the adjacent ones. The switch is cheaper and easier to manufacture, and at the same time is capable of more efficiently quenching electric arcs originated during transient current interruption and closing operations.

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