

ABSTRACT

SWITCHING MECHANISM FOR A CIRCUIT BREAKER

A switching mechanism (15) for a circuit breaker which comprises two break gaps to be jointly switched, which break gaps each comprise a movable contact (8, 8') which is fixed on a switching bridge (9, 9'), with a support (17) being provided which is held swivelably about a rotary axis (16) of a mechanism which is fixed to the housing and comprises a partition (18) which extends normal to the rotary axis (16) of the mechanism and on whose two side surfaces there are each attached a cylinder (19, 19'), a bearing stop (26, 26') which is concentric to the rotary axis (16) of the mechanism, as well as a leg support (25, 25'), on which cylinders (19, 19') the switching bridges (9, 9') are placed with their bores (20, 20') and leg springs (21, 21') with their windings (22, 22'), so that the longitudinal axes of the cylinders (19, 19') form rotary axes (36) of the switching bridges, with the first legs (23, 23') of the leg springs resting on the switching bridges (9, 9') and the second legs (24, 24') on the leg supports (25, 25'), as a result of which the switching bridges (9, 9') are permanently loaded in the direction of the bearing stops (26, 26') which are provided with mutually different thicknesses, with a pin (27) being formed on the upper end of the partition (18) which is opposite of the cylinders (19, 19'), on which pin the first end of the helical compression spring (28) is placed and whose second end rests on the housing, with furthermore a latch support (29) being provided which is placed with its bore (30) on the bearing stop (26) and is provided with a shoulder (31) in the zone of the upper end of the partition (18) on which a projection (37) of a latch (33) can engage, which latch (33) is rotatably held at the upper end of the partition (18) about a rotary axis (32) of the latch and a bracket (34) is provided which couples the latch (33) with an actuating lever (35) and the rotary axes (36) of the switching bridges are disposed offset with respect to the rotary axis (16) of the mechanism in the direction of the movable contacts (8, 8').

Figure 3.



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