

Title (en)
SEALED-OFF SWITCHGEAR

Title (de)
ABGEDICHTETE SCHALTVORRICHTUNG

Title (fr)
DISPOSITIF DE COMMUTATION ETANCHE

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Application
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Abstract (en)
[origin: WO02063643A1] The invention relates to a switchgear, especially for actuating valves, comprising a housing (18) and a coil body (10) disposed therein in which a switch element is guided and which is provided with a winding (14) of a conductor (16) that is connected to a plug connector (22) via contact elements (20). At least some sections of the housing (18) and of the plug connector (22) are enclosed by a plastic compound (24), and sealing devices (40) seal off the interior (42) of the switchgear from the surroundings (44). At least one of the sealing devices (40) is configured as a sealing web (48), said sealing web (48) consisting of a meltable material. The sealing web (48) is disposed on the bottom face (50) of a plug plate (26) of the plug connector (22) which faces the housing (18). The sealing web (48), in the molten connecting state, seals off at least the engaging parts of the plug connector (22) that are connected to the housing (18) from the surroundings (44) in a fluid-tight manner by way of the plastic compound (24), thereby eliminating the need for conventional rubber packing rings (O rings) in the area of the plug connector that are prone to failures.

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