

Title (en)  
ELECTROMECHANICAL COMPACT PROTECTIVE SWITCHING DEVICE

Title (de)  
ELEKTROMECHANISCHES KOMPAKT-SCHUTZSCHALTGERÄT

Title (fr)  
DISJONCTEUR DE PROTECTION COMPACT ÉLECTROMÉCANIQUE

Publication  
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Application  
**EP 21161314 A 20210308**

Priority  
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Abstract (en)  
[origin: CN113471032A] An electromechanical compact protective switchgear according to the invention has an insulating material housing having a width of only one indexing unit. The insulating material housing itself has a front side, a fixed side opposite the front side, and first and second narrow and wide sides connecting the front side and the fixed side. The protective switchgear has a first magnetic coil for operating a first switching contact of the protective switching device and a second magnetic coil for operating a second switching contact of the protective switchgear. A first magnetic coil is arranged in the region of the first narrow side, a second magnetic coil is arranged in the region of the second narrow side, and two switching contacts are arranged between the two magnetic coils. The first magnetic coil is wound clockwise and the second magnetic coil is wound counterclockwise. By means of the arrangement, the operating characteristic and the arc extinguishing characteristic of the arc occurring during short circuit triggering can be obviously more stable, so that unstable arc operation of reverse arc and restriking arc of the arc when the I<sub>2t</sub> conduction energy value is high is effectively avoided.

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