

Title (en)
ELECTRONIC SWITCHING PROTECTION APPARATUS

Title (de)
ELEKTRONISCHE SCHALTSCHUTZVORRICHTUNG

Title (fr)
APPAREILLAGE DE PROTECTION À COUPURE ÉLECTRONIQUE

Publication
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Application
EP 21815996 A 20211118

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Abstract (en)
[origin: WO2022106527A1] The invention relates to an electronic switching protection apparatus comprising: - a phase current line and a neutral current line; - a measurement sensor (1'); - an electronic protection tripping device electrically connected to the measurement sensor (1') for processing the acquisition signal and for issuing a protective trip control signal representative of the occurrence of a fault; - a galvanic isolation mechanism (4) comprising first and second pairs of contacts, which is configured to be actuated by a control mechanism (30) or by an actuator (3), characterized in that the electronic protection apparatus comprises - an electronic switching unit (9) comprising a power electronic switching component (10, 11) which is arranged, respectively, on the phase current line, and is able and intended to be made to trip by the protective trip control signal representative of the occurrence of a fault in order to open the at least one electronic switching component (10, 11), in that the actuator (3) is configured to actuate the opening of the first and second pairs of contacts consecutively with the opening of the electronic switching component (10, 11), and in that the electronic protection apparatus comprises a housing (12) in modular format.

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