

Title (en)

SURGE PROTECTION DEVICE HAVING MECHANISM FOR THE SIGNALING OF DISCONNECTION

Title (de)

ÜBERSpannungSSchutzGerät MIT Mechanismus ZUR ANZEIGE DER KONTAKTÖFFNUNG

Title (fr)

DISPOSITIF DE PROTECTION CONTRE LES SURTENSIONS AVEC MÉCANISME DE SIGNALISATION DE DÉCONNEXION

Publication

**EP 2883292 B1 20190605 (EN)**

Application

**EP 13802745 A 20130809**

Priority

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- SI 2013000048 W 20130809

Abstract (en)

[origin: WO2014027969A2] The invention belongs to the field of devices for electronic surge protection, more precisely for a mechanism in a base part in combination with actuating elements of an overvoltage circuit breaker that allows simple electronic and position signalisation of a state of a surge protective device. The essence of the mechanism for signalling disconnection in a surge protective device of the invention lies in that due to mechanical links between individual module parts a rotational disc gets moved after a protective module has been disconnected and a tooth of the rotational disc disengages from a tooth of a plate in the base of the module and moves the plate to the left. Because of a spring, a pin of an actuator in the base part moves vertically into a round opening on the plate. As a side wall of the actuator is shaped in a slant manner, a switch of a micro switch is released, which micro switch electronically signalises disconnection. As the rotational disc moves its cylindrical holder simultaneously runs on a bend of the upper plate and actuates a button that moves and mechanically indicates module disconnection.

IPC 8 full level

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