

Title (en)  
SURGE PROTECTOR HAVING A THERMAL SEPARATING DEVICE

Title (de)  
ÜBERSpannungSSchutzGerät MIT THERMISCHER ABTRENNVORRICHTUNG

Title (fr)  
APPAREIL DE PROTECTION CONTRE DES SURTENSIONS ÉQUIPÉ D UN DISPOSITIF DE COUPURE THERMIQUE

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Application  
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Abstract (en)  
[origin: WO2010020452A1] The invention relates to a surge protector having a thermal separating device and an error display, and at least two first protection elements, particularly disk-shaped varistors (7), and at least one second protection element, particularly a gas arrester (9), wherein the first and the at least one second protection elements are switched in a Y arrangement, further comprising a device housing for accommodating the protection elements, and a means (11) for the mechanical biasing of the thermal separating device, wherein the thermal separating device has a low-melting solder, and the first protection elements (7) are disposed in the device housing such that a connection arm of a protection element (7) is positioned opposite the connection arm of the further protection element (7) at a distance, and the thermal separating device is predominantly positioned in the distance space (13) formed in such a manner. According to the invention, a connection arm of the second protection element (9) directly bypasses said connection arms (12) of the first protection elements (7) in the distance space in a solder-contacted manner, wherein a finger (16) of a mechanically biased separating block (5) acts upon the bypass connection arm (15) such that in the event of an overload the bypass connection arm (15) is spatially placed at a distance to the connection arms (12) of the first protection elements (7).

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