

Title (en)

Voltage trigger case for a circuit breaker, voltage trigger device and assembly method

Title (de)

Gehäuse eines elektronischen Auslösers für Sicherungsschalter, elektronische Auslösevorrichtung und Montageverfahren

Title (fr)

Boîtier de déclencheur électronique pour disjoncteur, dispositif de déclenchement électronique et procédé d'assemblage

Publication

EP 2079091 A1 20090715 (FR)

Application

EP 08354093 A 20081215

Priority

- FR 0800130 A 20080110
- FR 0800131 A 20080110

Abstract (en)

The case has a bottom part (22) and a lid forming a cavity. The cavity has a box (58) including an activation orifice arranged at level of a side wall of the bottom part permitting to place an electromagnetic actuator. The box is adapted to house, in a sealed manner with respect to the cavity, the electromagnetic actuator in a rest position at inside of the case and in an active position, in which the actuator protrudes out from the case by the activation orifice and a recess of the lid. Independent claims are also included for the following: (1) an electronic module comprising an actuator associated with a connector passing through a passage of the box (2) a triggering device comprising an electronic module with a case integrated to a case of a transformation block (3) a method for assembling a triggering device.

Abstract (fr)

Un module électronique pour un déclencheur (200) a été optimisé de façon à intégrer les fonctionnalités connues, notamment les paramétrages de seuil, mesures du courant, prises de tension (36, 78), affichage et communication (72). Dans le module électronique est en outre présent un actionneur électromagnétique (54) de façon à optimiser la coupure du disjoncteur associé (3). Les contraintes d'encombrement inhérentes à la localisation du déclencheur (200) dans les appareillages existants (1) ont été respectées.

IPC 8 full level

H01H 71/74 (2006.01)

CPC (source: EP KR US)

H01H 49/00 (2013.01 - KR); **H01H 71/125** (2013.01 - KR); **H01H 71/7409** (2013.01 - EP KR US); **H01H 71/125** (2013.01 - EP US); **H01H 2071/006** (2013.01 - EP KR US); **H01H 2071/0242** (2013.01 - EP KR US); **H01H 2071/0292** (2013.01 - EP KR US); **Y10T 29/4902** (2015.01 - EP US); **Y10T 29/49105** (2015.01 - EP US)

Citation (applicant)

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- EP 0991095 A2 20000405 - SIEMENS ENERGY & AUTOMAT [US]
- FR 2870350 A1 20051118 - SCHNEIDER ELECTRIC IND SAS [FR]
- FR 2913143 A1 20080829 - SCHNEIDER ELECTRIC IND SAS [FR]
- FR 0800131 A 20080110
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Citation (search report)

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- [A] US 2005024173 A1 20050203 - PUSKAR MICHAEL P [US], et al
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Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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