

Title (en)

METHOD AND DEVICE TO INHIBIT MANUAL RE-CLOSING OF THE CONTACTS OF A PROTECTIVE SWITCHING DEVICE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM VERHINDERN DES MANUELLEN VERSCHLIESSENS DER KONTAKTE EINER SCHUTZSCHALTVORRICHTUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF INHIBITANT LA FERMETURE MANUELLE DES CONTACTS D'UN DISJONCTEUR DE PROTECTION

Publication

EP 3690918 A1 20200805 (EN)

Application

EP 19155058 A 20190201

Priority

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Abstract (en)

Manual re-closing of a contact of a protective switching device 100 is inhibited as long as an electrical reset has not yet occurred. A trigger mechanism 140 of the switching device is preloaded into a first, preloaded state by manually moving a handle 130, which results in a closed contact state of the switching device. In response to an excess current due to an overload and/or a short circuit or another external trigger input, the trigger mechanism 140 is tripped and transits to a second, tripped state, opening the contact 110 of the switching device. A transition from the second, tripped state back to the first, preloaded state is inhibited despite moving the handle 130, as long as an electrical reset signal indicating re-establishment of a safe condition has not yet occurred. Said electrical reset signal resets the trigger mechanism. The electrically reset trigger mechanism can finally be manually reset to the preloaded state, in which the contact is closed, by moving the handle. A safety motor starter (700) comprises a contactor (710) and a motor protective switching device (720).

IPC 8 full level

H01H 71/62 (2006.01); **H01H 71/64** (2006.01)

CPC (source: EP)

H01H 71/62 (2013.01); **H01H 71/64** (2013.01); **H01H 2071/124** (2013.01)

Citation (search report)

- [X] US 2012085627 A1 20120412 - YANG GUANG [US]
- [X] US 9799476 B2 20171024 - FASANO MICHAEL [US]
- [A] EP 0330421 A2 19890830 - DELTA ACC & DOMESTIC SWITCH [GB]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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