

Title (en)  
SWITCH-DISCONNECTOR WITH CURRENT DETECTION

Title (de)  
TRENNSCHALTER MIT STROMERFASSUNG

Title (fr)  
SECTIONNEUR AVEC DÉTECTION DE COURANT

Publication  
**EP 3987558 B1 20231018 (EN)**

Application  
**EP 20732580 A 20200612**

Priority  
• IN 201911024187 A 20190618  
• EP 2020066258 W 20200612

Abstract (en)  
[origin: GB2585098A] A disconnecter comprises a switch having: a first fixed contact terminal 104 of a first conductor, a second fixed, contact terminal 106 of a second conductor, and a moveable bridge contact 108. An actuating mechanism 114 opens and closes the switch by actuation of the moveable bridge contact, from a first closed position where it contacts the first and second contact terminals to a second open position where the bridge contact is electrically separate from the contact terminals. The disconnecter comprises a current detection coil 110 around either of the first and second contact terminals that outputs a signal indicating current through the contact terminal communicatively coupled to a communication module 102 that provides an output signal in dependence on the current. Ends of the first and second contact terminals can be inclined away from the direction of movement of the bridge contact 108 and angled to extend parallel to respective ends of the bridge contact. Detection coil 110 can be located in U-shaped portion of the contact terminal and comprise a Rogowski coil. Communication module 102 can be external to a housing 112 of the disconnecter and transmit its output signal wirelessly to an external device.

IPC 8 full level  
**H01H 1/20** (2006.01); **H01H 47/00** (2006.01)

CPC (source: EP GB)  
**H01H 1/20** (2013.01 - GB); **H01H 1/2083** (2013.01 - EP GB); **H01H 9/167** (2013.01 - EP); **H01H 19/02** (2013.01 - GB); **H01H 73/045** (2013.01 - EP GB); **H01H 9/168** (2013.01 - EP); **H01H 9/342** (2013.01 - EP); **H01H 19/02** (2013.01 - EP); **H01H 71/125** (2013.01 - EP); **H01H 73/42** (2013.01 - EP)

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