

Title (en)
Overload protective switch

Title (de)
Überlast-Schutzschalter

Title (fr)
Disjoncteur de protection de surcharge

Publication
EP 0680065 B1 19971008 (DE)

Application
EP 95105469 A 19950411

Priority
US 23475094 A 19940428

Abstract (en)
[origin: EP0680065A1] The overload protection switch has a housing (1,2) and a pair of contacts (3,4) arranged in the housing (1,2). A switch (5,7) operates the contact pair (3,4) so that they are held open in a first switch state and close in a second state. An interrupt device (42,6) arranged in the housing (1,2) interrupts the current flow via the contacts (3,4) when the current exceeds a predetermined value. The switch includes a slider (5) with a front, operating end (52) and a rear drive end (55). The slider (5) is arranged to move longitudinally in the housing (1,2) such that in a forward position, the operating end (52) engages with the contact pair (3,4) and holds them open. In a retracted position, it is out of engagement with the contacts (3,4). A curved guide (18) is provided in the housing (1,2). When the slider (5) moves longitudinally, the guide (18) guides its operating end (52) in a transverse direction. This thus brings about a switch jump movement on opening or closing the contacts (3,4). <IMAGE>

IPC 1-7
H01H 73/30; **H01H 73/26**

IPC 8 full level
H01H 71/54 (2006.01); **H01H 73/26** (2006.01); **H01H 73/30** (2006.01)

CPC (source: EP KR US)
H01H 37/52 (2013.01 - KR); **H01H 73/303** (2013.01 - EP US); **H01H 73/26** (2013.01 - EP US); **Y10T 29/49105** (2015.01 - EP US)

Designated contracting state (EPC)
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DOCDB simple family (publication)
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