

Title (en)
OVERCURRENT CIRCUIT BREAKER

Publication
EP 0222181 B1 19890906 (DE)

Application
EP 86114120 A 19861011

Priority
DE 8530597 U 19851029

Abstract (en)
[origin: US4704594A] A push button actuated overload protection switch includes a bimetal member which holds a contact bridge in a latched ON position. The contact bridge is configured as an approximately rectangular angle lever and is mounted on a switch rod so as to be freely pivotal and displaceable in the axial direction. The contact bridge is under the pressure of a switch spring which is supported at the switch rod. During turn-off the contact bridge is released by the bimetal member and pressed against an oblique abutment at the housing and pivoted into an oblique engagement position, whereby a projection on the switch rod engages the contact bridge. Subsequent actuation of the push button causes the contact bridge to be transferred into its ON position in which the pressure of the switch spring presses it into engagement behind a contact piece of the bimetal member and into contact with a contact terminal. The push button is provided with a deflection lug which extends alongside the switch rod and deflects the bimetal member when the push button is depressed so that it releases the turn-off movement. This makes it possible to manually turn off the switch by pressure actuation.

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H01H 73/30

IPC 8 full level
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CPC (source: EP US)
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