

Title (en)
Switching device for circuit breakers.

Title (de)
Schaltvorrichtung für Leistungsschaltgeräte.

Title (fr)
Dispositif de commutation pour disjoncteurs.

Publication
EP 0612089 A3 19941221 (DE)

Application
EP 94101941 A 19940209

Priority
• DE 4304771 A 19930217
• DE 9302252 U 19930217

Abstract (en)
[origin: EP0612089A2] The invention relates to a switching device for circuit breakers, which switching device has means for transmitting a tripped message to an external auxiliary contact device built onto the circuit breaker, consisting of a manual operating device (4) which is operatively connected to a latching mechanism which consists, in a known manner, of a toggle lever which is cocked by the manual operating device and is tripped by the thermal or magnetic release. A tripping lever (10) of the auxiliary contact device projects into the circuit breaker and is operatively connected to the toggle lever part (20). The toggle lever part (20) has a platform (21) which projects laterally out of the flat side of said toggle lever part (20) and interacts with a tab (11) projecting laterally out of the tripping lever (10), in such a manner that the tripping lever (10) is also driven when the circuit breaker trips as a result of overcurrent. The toggle lever part (20) is hinged on the switching link (30) by means of a shaft (22) in such a manner that, during manual switching-off, the toggle lever part (20) is on the one hand pivoted and, on the other hand, the shaft (22) can move along a guide path (33) which is arranged in the switching link (30). The switching link (30) has a driver (dog) (32) which drives the latching rocker (14) and switches the circuit breaker off, via a switching-off lever (12), once the switching link (30) and hence also the toggle lever part (20) have moved through a specific pivoting distance s_1 , without operating the tripping lever (10) of the auxiliary contact device. <IMAGE>

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IPC 8 full level
H01H 71/46 (2006.01)

CPC (source: EP)
H01H 71/462 (2013.01); **H01H 2071/467** (2013.01)

Citation (search report)
• [X] DE 3907094 A1 19900906 - KOPP GMBH & CO KG HEINRICH [DE]
• [A] DE 3119165 A1 19821209 - LICENTIA GMBH [DE]
• [DA] EP 0367102 A2 19900509 - KLOECKNER MOELLER ELEKTRIZIT [DE] & DE 3837461 A1 19900510 - KLOECKNER MOELLER ELEKTRIZIT [DE]
• [PX] DE 9302252 U1 19930422

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