

Title (en)

OPERATING SYSTEM OF MINIATURE CIRCUIT BREAKER AND MINIATURE CIRCUIT BREAKER HAVING SAME

Title (de)

BETRIEBSSYSTEM EINES MINIATURSCHUTZSCHALTERS UND MINIATURSCHUTZSCHALTER DAMIT

Title (fr)

SYSTÈME DE COMMANDE DE DISJONCTEUR MINIATURE ET DISJONCTEUR MINIATURE LE COMPRENANT

Publication

EP 4254462 A2 20231004 (EN)

Application

EP 23161952 A 20230315

Priority

CN 202210313858 A 20220328

Abstract (en)

The present invention relates to an operating system of a miniature circuit breaker and a miniature circuit breaker having the same. The operating system is mounted to a circuit breaker body of the miniature circuit breaker. The operating system includes: a handle, which is rotatably mounted to a circuit breaker body by means of a handle rotating shaft; a contact component, which is rotatably mounted to the circuit breaker body by means of a support rotating shaft and remains in contact with a static contact on the circuit breaker body; a latch, which is rotatably mounted to the contact component; a linkage, two ends of which are rotatably connected to the handle and the latch respectively; a tripping rod, which is sleeved onto the support rotating shaft and capable of rotating relative to the contact component; and a handle torsion spring, which is sleeved onto the handle rotating shaft, two ends of the handle torsion spring being respectively connected to the handle and the tripping rod. The handle torsion spring is always in an energy storage state, so as to push the tripping rod towards the latch to keep the tripping rod locked with the latch.

IPC 8 full level

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CPC (source: CN EP)

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