

Title (en)
Single-pole and neutral miniature circuit breaker.

Title (de)
Einpole- und Nulleiter-Kleinschalter.

Title (fr)
Disjoncteur miniature unipolaire et neutre.

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Application
EP 81400914 A 19810610

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FR 8013681 A 19800619

Abstract (en)
1. Single-pole and neutral circuit-breaker with narrow and flat parallelepipedic moulded casing (10), comprising : - an operating mechanism disposed with symmetry in the median plane perpendicular to the narrow sides (18, 20, 24, 30) of the casing and taking up the whole width of the casing, said mechanism having an electro-magnetic device (70) of automatic tripping when a short-circuit occurs and a manual handle (22) driving the tipping of a rotating support (78) ; - a set of phase contacts (58, 62) and a set of neutral contacts (48, 50) placed side by side inside said casing, the movable contacts (50, 62) being linked together onto a contact arm (52, 64) mounted in rotation on a common pivot (54) of said rotating support (78), and - an intermediate insulating partition (36) parallel to said median plane and interposed between the phase contacts and neutral contacts, characterized in that the contact zones of the phase contacts (58, 62) and neutral contacts (48, 50) are shifted to realize a manual opening by the handle (22) of the phase contacts before the one of the neutral contacts, and a closing of the neutral contacts before the one of the phase contacts, and in that the electro-magnetic device (70) actuates a drawer (118) bearing on the two contact arms (52, 64) to displace quickly and simultaneously these contact arms in swith-off position when a tripping on short-circuit occurs.

Abstract (fr)
L'invention est relative à un disjoncteur unipolaire et neutre logé dans un boîtier (10) de profil et de largeur standard. Une cloison isolante intermédiaire sépare le circuit de neutre et le circuit de phase, cette cloison présentant une partie central décalée en direction de l'une des demicoquilles constituant le boîtier (10). Les déclencheur magnétique (70) agit par un extracteur sur les deux contacts mobiles (50,62) de neutre et de phase. La commande manuelle (22) commune au neutre et à la phase ouvre les contacts de phase avant les contacts de neutre et ferme ces derniers en premier.

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Citation (search report)
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