

Title (en)

LEAKAGE CURRENT MODULE THAT CAN BE ASSEMBLED WITH CIRCUIT BREAKERS

Title (de)

FEHLERSTROMMODUL, DER MIT LEITUNGSSCHUTZSCHALTERN ZUSAMMENSETZBAR IST

Title (fr)

MODULE A COURANT DE FUITE POUVANT ETRE ASSEMBLE AVEC DES DISJONCTEURS

Publication

EP 0727090 B1 19970618 (DE)

Application

EP 94931504 A 19941102

Priority

- DE 9401288 W 19941102
- DE 4337254 A 19931102

Abstract (en)

[origin: WO9512892A1] In what is known as a current-operated earth-leakage circuit breaker with overcurrent release, configured in a modular serial design, the leakage current module with its housing (1) is aligned laterally to circuit breakers and connected to them to form a compact modular unit. This involves establishing a connection between a summation current transformer of the leakage current module and terminals of the circuit breakers as well as coupling their switching and tripping mechanisms. The external electrical connection is effected at each leakage current module by means of terminals arranged within a terminal space (3.1) of the housing (1). To be able to allocate this leakage current module connection to either the upper or the lower connection level of the switch in accordance with the local conditions, the housing (1) of the leakage current module can be assembled with an interlocking fit between a multipart central body (2) and, situated on either side thereof, two side bodies (3, 4) extending over the full width of the housing. The two side bodies (3, 4) have different designs, the larger side body (3) comprising the terminal space (3.1). As needed, the two side bodies (3, 4) can be alternately joined to the central body (2) with its symmetrical housing contours (2.5) to form a finished housing (1) for all the components of the leakage current module. The leakage current module can thus be combined universally with circuit breakers to form current-operated earth-leakage circuit breakers with overcurrent release, of varying rated current.

IPC 1-7

H01H 71/02

IPC 8 full level

H01H 71/02 (2006.01)

CPC (source: EP)

H01H 71/0271 (2013.01)

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI NL PT SE

DOCDB simple family (publication)

WO 9512892 A1 19950511; AT E154724 T1 19970715; CZ 121696 A3 19980318; CZ 284699 B6 19990217; DE 4337254 A1 19950504; DE 4337254 B4 20050519; DE 59403204 D1 19970724; EP 0727090 A1 19960821; EP 0727090 B1 19970618; ES 2105779 T3 19971016; GR 3024068 T3 19971031; HU 218400 B 20000828; HU 9601148 D0 19960729; HU T76210 A 19970728; PL 174737 B1 19980930; PL 314171 A1 19960819

DOCDB simple family (application)

DE 9401288 W 19941102; AT 94931504 T 19941102; CZ 121696 A 19941102; DE 4337254 A 19931102; DE 59403204 T 19941102; EP 94931504 A 19941102; ES 94931504 T 19941102; GR 970401724 T 19970709; HU 9601148 A 19941102; PL 31417194 A 19941102