

Title (en)

INSTALLATION SWITCHING DEVICE HAVING A SCREWLESS CLAMP TERMINAL

Title (de)

INSTALLATIONSSCHALTGERÄT MIT EINEM SCHRAUBENLOSEN KLEMMANSCHLUSS

Title (fr)

APPAREILLAGE DE COMMUTATION D'INSTALLATION PRÉSENTANT UNE CONNEXION SERRÉE SANS VIS

Publication

EP 2329564 B1 20150722 (DE)

Application

EP 09778582 A 20090917

Priority

- EP 2009006726 W 20090917
- DE 102008049326 A 20080929

Abstract (en)

[origin: WO2010034430A1] The invention relates to an installation switching device (1), particularly a circuit breaker, fault-current circuit breaker, motor circuit breaker, and the like, having a housing (3) with a front side, a fastening side (6), narrow sides, and wide sides, and having a screwless clamp terminal (10) with a clamping spring (12) for connecting connecting conductors (14), said clamping spring being fixed in position in a clamp terminal chamber (18) of the housing (3), wherein the opening (20) of the clamp terminal chamber (18) can be partially covered by a clamp covering part (22) which is pivotably connected to the housing (3). The clamp covering part comprises in a connection area a number of connection openings (26), said number corresponding to the number of connecting conductors (14) to be connected, and the clamp covering part can act against the clamping spring (12) in an opening manner in pivoting in the direction of the housing interior. The opening (20) of the clamp terminal chamber (18) can be partially covered also by a guide part (24) rigidly coupled with the housing and overlapping with the clamp covering part (22) in areas, said guide part comprising guide channels (25) for narrowly guiding the connecting conductors.

IPC 8 full level

H01R 4/48 (2006.01); **H01H 71/08** (2006.01)

CPC (source: EP US)

H01H 71/08 (2013.01 - EP US); **H01R 4/4821** (2023.08 - EP); **H01R 4/483** (2023.08 - EP); **H01R 4/48365** (2023.08 - US); **H01R 4/485** (2023.08 - EP); **H01R 4/484** (2023.08 - EP)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2010034430 A1 20100401; CA 2738441 A1 20100401; CN 102187520 A 20110914; CN 102187520 B 20130821; DE 102009041636 A1 20100415; EP 2329564 A1 20110608; EP 2329564 B1 20150722; US 2011209972 A1 20110901

DOCDB simple family (application)

EP 2009006726 W 20090917; CA 2738441 A 20090917; CN 200980139334 A 20090917; DE 102009041636 A 20090917; EP 09778582 A 20090917; US 201113074570 A 20110329