

Title (en)

ELECTRICAL SERIES TERMINAL AND SERIES TERMINAL BLOCK

Title (de)

ELEKTRISCHE REIHENKLEMME UND REIHENKLEMMENBLOCK

Title (fr)

BORNE SERRE-FILS ÉLECTRIQUE ET BLOC DE BORNES SERRE-FILS ÉLECTRIQUES

Publication

EP 2756554 A1 20140723 (DE)

Application

EP 12769908 A 20120913

Priority

- DE 102011113333 A 20110915
- EP 2012003833 W 20120913

Abstract (en)

[origin: WO2013037490A1] The invention relates to an electrical series terminal, in particular for connecting a current transformer, comprising a terminal housing (2), at least two conductor connector elements (4, 5), and at least two current bars (6, 7), wherein the current bars (6, 7) each have a connector section (8, 8') and a first contact section (9, 9'), wherein the connector sections (8, 8') are each assigned to a conductor connector element (4, 5) and the first contact sections (9, 9') together form a resilient contact region (10) to receive the plug (11) of the test or power plug (12), wherein the first contact sections (9, 9') are spaced apart from one another and are connected to one another in an electrically conductive manner via the plug (11) only when the plug (11) is inserted. By means of the electrical series terminal, a switchable transverse bridge to a neighbouring electrical series terminal can be produced in a reliable manner in that the current bars (6, 7) each have a second contact section (13, 13'), two further current bar pieces (14, 15) are arranged in the terminal housing (2), and at least one recess (16) is formed in at least one current bar piece (14, 15) for insertion of one branch (17) of a jumper (18), wherein in each case a current bar piece (14, 15) is assigned to a current bar (6, 7) in such a way that the second contact section (13, 13') of a current bar (6, 7) is connected to the assigned current bar piece (14, 15) in an electrically conductive manner when the plug (11) is not inserted, while the second contact section (13, 13') of a current bar (6, 7) is spaced from the assigned current bar piece (14, 15) when the plug (11) is inserted.

IPC 8 full level

H01R 9/26 (2006.01); **H01H 27/00** (2006.01); **H01R 13/703** (2006.01)

CPC (source: EP US)

H01R 9/2491 (2013.01 - EP US); **H01R 9/2633** (2013.01 - EP US); **H01R 13/703** (2013.01 - US); **H01R 13/7033** (2013.01 - EP US); **H01R 31/08** (2013.01 - EP US); **H01R 2201/20** (2013.01 - EP US)

Citation (search report)

See references of WO 2013037490A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102011113333 A1 20130321; **DE 102011113333 B4 20140703**; CN 103384942 A 20131106; CN 103384942 B 20160810; EA 029201 B1 20180228; EA 201301076 A1 20140829; EP 2756554 A1 20140723; EP 2756554 B1 20151125; ES 2560022 T3 20160217; JP 2014526779 A 20141006; JP 5730445 B2 20150610; US 2014329397 A1 20141106; US 9153916 B2 20151006; WO 2013037490 A1 20130321

DOCDB simple family (application)

DE 102011113333 A 20110915; CN 201280011083 A 20120913; EA 201301076 A 20120913; EP 12769908 A 20120913; EP 2012003833 W 20120913; ES 12769908 T 20120913; JP 2014530116 A 20120913; US 201214344714 A 20120913