

Title (en)  
Connecting and switching device

Title (de)  
Verbindungs- und Schaltvorrichtung

Title (fr)  
Dispositif de liaison et de commutation

Publication  
**EP 1873865 A2 20080102 (DE)**

Application  
**EP 07109614 A 20070605**

Priority  
DE 202006010091 U 20060627

Abstract (en)

Terminal block connecting apparatus comprises two test terminal blocks connected with two supports for electrical engagement when the supports are in intermediate condition between disengaged and engaged conditions, and carrier (4) supporting the second test terminal block for displacement relative to associated support where the test terminal blocks remain in electrical engagement during displacement of the supports between intermediate test condition and final connected condition. Terminal block connecting apparatus comprises two supports (6, 3) supporting two main terminal block assemblies and being linearly displaceable in a given direction between successive disconnected, intermediate, and connected positions. The contacts of the terminal blocks are in engagement when the supports are in the connected condition. A first test terminal block (9) is connected with the support. A second test terminal block (8) is also provided. The test terminal blocks have pin and socket contacts. A carrier supports the second test terminal block at a first position on the other support for engagement with the first test terminal block when the supports are in the test position. It displaces the second test terminal block toward a second position relative to the other support when the supports are displaced between the test and connected conditions. The test terminal blocks are maintained in electrical engagement during the displacement of the second test terminal block to second position. A friction retainer (10) normally resists movement of the carrier from one position.

Abstract (de)

Verbindungs- und Schaltvorrichtung zur Verbindung von Anschlusskontakten (31) eines Anschlussblocks (1) mit weiteren Anschlusskontakten (9a, 9b) einer Verbindungsvorrichtung (4), welche derart ausgestaltet ist, dass der Anschlussblock (1) aus einer ersten Stellung, insbesondere einer Teststellung, in welcher die Anschlusskontakte (31, 9a, 9b) des Anschlussblockes (1) und der Verbindungsvorrichtung (4) einander kontaktieren an einem Kragen (3) eines Geräteabschnittes im einander kontaktierenden Zustand gemeinsam bis in eine zweite Stellung, insbesondere eine beschaltete Stellung, verschiebbar sind, dadurch gekennzeichnet, dass die Verbindungsvorrichtung wenigstens eine lösbare Verriegelungseinrichtung (10a, 10b) zur Verriegelung der Verbindungsvorrichtung in der ersten Stellung am Kragen (3) des elektrischen Gerätes aufweist, die derart ausgelegt ist, dass die verriegelte Stellung allein durch translatorisches Schieben der Verbindungseinrichtung durch Überwinden einer Reibungskraft zwischen Elementen der Verriegelungseinrichtung lösbar ist.

IPC 8 full level  
**H01R 9/26** (2006.01); **H01R 13/629** (2006.01)

CPC (source: EP US)  
**H01R 9/26** (2013.01 - EP US); **H01R 13/629** (2013.01 - EP US)

Citation (applicant)  
• US 5434369 A 19950718 - TEMPCO DALE A [US], et al  
• US 5691518 A 19971125 - JONES MURRAY K [US], et al

Cited by  
WO2018073016A1; DE202016105823U1; DE102022130279A1; WO2024104865A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**US 2008014799 A1 20080117; US 7513800 B2 20090407**; AT E449438 T1 20091215; CN 101106238 A 20080116; CN 101106238 B 20100602; DE 202007008001 U1 20071108; DE 502007002009 D1 20091231; EP 1873865 A2 20080102; EP 1873865 A3 20080618; EP 1873865 B1 20091118

DOCDB simple family (application)  
**US 82182707 A 20070626**; AT 07109614 T 20070605; CN 200710128070 A 20070627; DE 202007008001 U 20070605; DE 502007002009 T 20070605; EP 07109614 A 20070605