

Title (en)
TERMINAL BLOCK FOR CONNECTING INSULATED CONDUCTORS WITHOUT STRIPPING

Title (de)
REIHENKLEMME ZUM ABISOLIERUNGSFREIEN ANSCHLUSS ISOLIERTER LEITER

Title (fr)
BORNE SERRE-FILS POUR LE RACCORDEMENT SANS DENUDAGE DE CONDUCTEURS ISOLES

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Abstract (en)
[origin: DE19737947A1] The invention concerns a terminal block comprising an insulating box and a connecting device for an insulated conductor (8), connected by elastic return, without stripping, between a cutting edge (6) and an opposite support. In order to maintain a slight width in the junction direction, the cutting edge (6) extends in said direction, the conductor being inserted, in its connecting position, in its longitudinal direction and perpendicular to the cutting edge (6). The opposite support (7) can also be a cutting edge, the two cutting edges being mutually mobile without lateral offset, like pincers. The connection device can have a cage tension spring (2) or a single-piece pincers-like terminal clip with C-shaped cross-section, made of an elastic material, whereof the bevels facing each other are shaped like cutting edges. Another embodiment consists in that the connection device has a pincers system with substantially C-shaped cross-section, whereof the branches fit into each other in articulation and in a limited way, and have independent springs. The length of the cutting edge(s) can be less than the diameter of the insulating sleeve (9) of the conductor to be connected, so as to obtain less cutting force.

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