

Title (en)

SAFETY DEVICE AT CONNECTORS TO ELECTRIC CURRENT RAILS, INSTALLATION CHANNELS AND THE LIKE

Title (de)

SICHERHEITSVORRICHTUNG VON ELEKTRISCHEN VERBINDERN MIT STROMSCHIENEN, INSTALLATIONSKANÄLEN UND ÄHNLICHEN.

Title (fr)

DISPOSITIF DE SECURITE DE CONNECTEURS DESTINES A DES RAILS DE COURANT ELECTRIQUE, CANAUX D'INSTALLATION ET EQUIVALENT

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Application

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Abstract (en)

[origin: WO9853533A1] The present invention relates to a safety device (1; 1'; 1'') at a connector device (3; 3'; 3''), provided with electric connectors (13, 13'). The one end of the device, which is inserted into the current rail is conditionally position secured by means of first locking means (19), which accomplishes an electric contact closure between the rail and the device. Second locking means at the other end of the device locks completely the device, when it has been inserted into the rail. According to the invention said second locking means are provided with blocking means (29, 29'), which block the connectors against connection to power consumption (35), until said second locking means have been activated and lock the device, which has been completely inserted into the rail, in relation to the rail, while an automatic release of the connectors is accomplished. The removal of the device necessitates a removal of power-consuming connections from the device, and then said second locking means is inactivated, while an automatic activation of said blocking mechanism results, which also makes it impossible, via said second locking means, to insert either one of the ends of the connector device into the rail, if they are not activated and inactivated respectively.

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