

Title (en)

An industrial electric connector with push button for the fast unhooking of the complementary connector

Title (de)

Ein elektrischer industrieller Verbinder mit Drucktaste für das schnelle Aussetzen eines komplementären Verbinders

Title (fr)

Un connecteur électrique industriel avec bouton-poussoir pour le décrochage rapide d'un connecteur complémentaire

Publication

**EP 2688154 B1 20171206 (EN)**

Application

**EP 12425127 A 20120719**

Priority

EP 12425127 A 20120719

Abstract (en)

[origin: EP2688154A1] The present invention concerns an electric connector (1) that couples, in a releasable manner, to a complementary electric connector (100). The electric connector foresees an external casing (2), an electrical plug (4) arranged inside the external casing (2) in such a way so that it can connect with the complementary electric connector (100) with fast hooking means (10). The fast hooking means are suitable for engaging in a releasable manner with relative connection means (42) belonging to the complementary electric connector (100) when the complementary electric connector couples to the electric connector (1). According to the invention, the fast hooking means (10) comprise: - A slab (11) assembled slidably with respect to the electrical plug (4); - Elastic means (16,216) arranged in such a way as to push an end (11') of the slab (11) outside the casing (2) through an opening (50) found in the casing and; - An engaging element (41) arranged in the slab so that it can engage in contrast against a complementary element (42) belonging to the complementary electric connector (100) when the complementary electric connector (100) is inserted in the electrical plug (4), and it can disengage from said complementary tooth (42) when the slab (11) is made to slide with respect to the electrical plug (4) through a crushing exerted on the end of the slab exiting from the casing (2).

IPC 8 full level

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