

Title (en)
HYBRID PLUG CONNECTOR

Title (de)
HYBRID-STECKVERBINDER

Title (fr)
CONNECTEUR HYBRIDE

Publication
EP 3371857 A1 20180912 (DE)

Application
EP 16800891 A 20161028

Priority
• DE 102015119087 A 20151106
• EP 2016076162 W 20161028

Abstract (en)
[origin: WO2017076781A1] The invention relates to hybrid plug connectors (100, 200) for connecting different electronic modules to insulators arranged in an outer casing (110, 210) and for receiving a power conductor transmitting a power supply and a shielded data conductor for data transmission for transmitting signals/data of an industrial bus, such as ISA, ethernet or similar, wherein the power conductor has at least two power lines and the data conductor has at least one data line, wherein the power lines and the data lines are guided in contact parts designed as plugs (222) or sockets (122) and can be coupled via these contacts parts, and wherein the outer casings (110, 210) of the pair-type hybrid plug connectors (100, 200) can be joined inside one another for interlocking coupling. According to the invention, the insulator arranged in each of the plug connectors (100, 200) is arranged in a shield housing (125) as a contact carrier receiving means (120), said shield housing accommodating a contact carrier (121), which carries forward the data line(s) designed as plug sockets (122) or plug pins (222) in a shielded manner in the plug connector (100, 200), and wherein the coupleable contacts form a shape-encoded interlocking connection in the plugged-in state of the connection.

IPC 8 full level
H01R 13/6592 (2011.01); **H01R 13/514** (2006.01); **H01R 13/58** (2006.01); **H01R 13/642** (2006.01); **H01R 24/86** (2011.01)

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Citation (search report)
See references of WO 2017076781A1

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