Title (en)

PLUG AND PLUG CONNECTOR FOR ROBOTS

Title (de)

STECKER UND STECKVERBINDUNG FÜR ROBOTER

Title (fr)

CONNECTEUR ET RACCORD ENFICHABLE POUR ROBOT

Publication

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Application

EP 08800480 A 20081016

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Abstract (en)

[origin: WO2009059440A1] The invention relates to a socket-sided plug (B) or a pin-sided plug (S), in particular for a tool changing system, for electrically connecting a tool to a robot hand. Said plug comprises a plug housing (1, 2) for securing to a robot arm or to a tool. The plug housing (1, 2) comprises at least one contact chamber (10, 20) and at least one receiving chamber (50, 60) that is arranged, essentially above the contact chamber (10, 20). A connection module (30) provided with electrically conductive elements (7, 70, 71, 72) for connecting to at least one peripheral device, in particular a cable, can be arranged in the at least one contact chamber (10, 20). A wear and tear module (31) provided with electrically conductive elements (7, 70, 71, 71) for connecting to a second peripheral device, in particular a complimentary plug, can be arranged in the at least one receiving chamber (50, 60). The electrically conductive elements (7, 70, 71, 72) of the connection module (30) can be connected to the electrically conductive elements (7, 70, 71, 72) of the wear and tear module (31).

IPC 8 full level

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