

Title (en)
SCREWLESS PLUG-IN CONNECTION

Title (de)
SCHRAUBENLOSE STECKVERBINDUNG

Title (fr)
RACCORD MALE FEMELLE SANS VIS

Publication
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Application
EP 99924811 A 19990413

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Abstract (en)
[origin: WO9953572A1] The invention relates to a plug-in connector which can be connected to a line or a cable (40), said cable (40) having a terminal with freely moveable conductors (43) and free strand ends (41). A first, essentially tubular housing part (1) consisting of insulating plastic encompasses an inner, essentially cylindrical contact carrier (4). A second essentially tubular housing part (2) consisting of insulating plastic can be connected to the first housing part (1) and surrounds the terminal with the freely moveable conductors (43) and a strain relief device (50). Contact elements (5) have clamping devices (7, 8) for the strand ends (41) and are retained by a retaining plate (15). Said retaining plate (15) has a rim of sloping surfaces (52). The strain relief device (50) comprises a cage-type clamping chuck (51) on which sloping surfaces are mounted for interacting with the sloping surfaces (52) of the retaining plate (15) in order to compress a series of clamping arms (56) which have teeth or claws (58) at their radially innermost point, and to clamp the terminal of the cable (40) so that it is tight.

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