Claims

1. Electrical plug-in connector having a first housing part (100) and having a second housing part (200), wherein blade contact elements (105) are arranged in the first or second housing part (100, 200) and spring contact elements that are adapted to the blade contact elements (105) and are able to be plugged into them are arranged in the second or first housing part, characterised by a locking clip (300) which is able to be locked in/on the second or first housing part (200, 100) while it encloses the first or second housing part substantially parallel to the plugging direction when both housing parts (100, 200) are plugged into each other.

2. Electrical plug-in connector according to claim 1, characterised in that guide elements running substantially parallel to the plugging direction are arranged in the first or second housing part (100, 200) for guiding clip arms of the locking clip (300).

3. Electrical plug-in connector according to claim 2, characterised in that latch elements are provided in the second or first housing part (200, 100) for locking with counterpart latch elements arranged on the clip arms.

4. Electrical plug-in connector according to claim 3, characterised in that the locking clip (300) is designed to be U-shaped, wherein the clip arms are two U-shaped limbs (301, 302) that are bent fundamentally orthogonally from a base.

5. Electrical plug-in connector according to claim 4, characterised in that the U-shaped legs (301, 302) have grooves (310) on their respective inner side facing towards the first or second housing part (100, 200), with which grooves the guide elements arranged on the second housing

parts and designed as protrusions (210) engage in a sliding manner.

6. Electrical plug-in connector according to claim 4, characterised in that the U-shaped legs (301, 302) have latching hooks (320) as counterpart latch elements on their ends, which interact with latch elements formed as a snap-in nose (120) on the first or second housing part (100).

7. Electrical plug-in connector according to claim 6, characterised in that the latching hooks (320) and the snap-in noses (120) have, on their sides facing each other, sliding surfaces (322, 122) that are adapted to each other and run obliquely.

8. Electrical plug-in connector according to claim 1, characterised in that the locking clip (300) consists of plastic.

9. Electrical plug-in connector according to claim 1, characterised in that both housing parts (100, 200) have primary locking agents (180, 280, 290) and the locking clip (300) acts as a secondary locking agent.

10. Electrical plug-in connector according to claim 9, characterised in that the primary locking agent is formed by: a tongue (280) arranged on the second housing part (200), having a latching hook (290) that engages with an opening (180) arranged in the first housing part (100).

Claims

1. Electrical plug-in connector having a first housing part (100) and having a second housing part (200), wherein blade contact elements (105) are arranged in the first or second housing part (100, 200) and spring contact elements that are adapted to the blade contact elements (105) and are able to be plugged into them are arranged in the second or first housing part, with a locking clip (300) which is able to be locked in/on the second or first housing part (200, 100) while it encloses the first or second housing part substantially parallel to the plugging direction when both housing parts (100, 200) are plugged into each other, wherein guide elements running substantially parallel to the plugging direction are arranged in the first or second housing part (100, 200) for guiding clip arms of the locking clip (300), wherein latch elements are provided in the second or first housing part (200, 100) for locking with counterpart latch elements arranged on the clip arms and wherein the locking clip (300) is designed to be U-shaped, wherein the clip arms are two U-shaped limbs (301, 302) that are bent fundamentally orthogonally from a base, characterised in that the U-shaped legs (301, 302) have grooves (310) on their respective inner side facing towards the first or second housing part (100, 200), with which grooves the guide elements arranged on the second housing parts and designed as protrusions (210) engage in a sliding manner.

2. Electrical plug-in connector according to claim 1, characterised in that the U-shaped legs (301, 302) have latching hooks (320) as counterpart latch elements on their ends, which interact with latch elements formed as a snap-in nose (120) on the first or second housing part (100).

3. Electrical plug-in connector according to claim 2, characterised in that the latching hooks (320) and the snap-in noses (120) have, on their sides facing each other, sliding surfaces (322, 122) that are adapted to each other and run obliquely.

4. Electrical plug-in connector according to claim 1, characterised in that the locking clip (300) consists of plastic.

5. Electrical plug-in connector according to claim 1, characterised in that both housing parts (100, 200) have primary locking agents (180, 280, 290) and the locking clip (300) acts as a secondary locking agent.

6. Electrical plug-in connector according to claim 5, characterised in that the primary locking agent is formed by: a tongue (280) arranged on the second housing part (200), having a latching hook (290) that engages with an opening (180) arranged in the first housing part (100).