What is claimed is:

1. An electrical connector, comprising:

a housing provided with a plurality of wire outlets; and

a plurality of plug-in assemblies corresponding to the plurality of wire outlets one to one, each of the plurality of the plug-in assemblies including a standard plug-in member and a matching member, wherein the standard plug-in member is connected to the housing and passes through the wire outlet, one end of the matching member is detachably connected to the standard plug-in member, and the other end of the matching member is configured to be connected to an external harness,

wherein the standard plug-in member comprises a mounting plate and a plug-in body, the mounting plate is connected to the housing, the plug-in body passes through the mounting plate and the wire outlet and is connected to the mounting plate, and the matching member is plugged in the plug-in body,

wherein the standard plug-in member further comprises at least one foolproof part, the at least one foolproof part is connected to the mounting plate and/or the plug-in body, the housing is provided with at least one matching portion, and the at least one matching portion is in one-to-one correspondence and matched with the at least one foolproof part, to position the housing and the standard plug-in member relative to each other;

wherein a seal ring is compressed between the mounting plate and the housing, the seal ring is connected to and surrounds the wire outlet incessantly, the mounting plate is provided with a groove on a side facing the housing, and the seal ring is inserted into the groove.

2. The electrical connector according to claim 1, wherein the mounting plate comprises a plate body and a plurality of thickened portions, the plug-in body passes through and is connected to the plate body, one side of the plate body is connected to the housing, the plurality of thickened portions are all located on the other side of the plate body, one end of the thickened portion is connected to the plate body, the other end of the thickened portion extends and protrudes outwardly, the mounting plate is provided with a plurality of mounting holes corresponding to the plurality of thickened portions one to one, the mounting holes penetrate the thickened portions and the plate body and are connected to the housing through fasteners.

3. The electrical connector according to claim 2, wherein the mounting plate further

comprises a plurality of reinforcing ribs, and both ends of the reinforcing rib are respectively connected to the plate body and the thickened portion.

4. The electrical connector according to claim 1, wherein one end of the foolproof part is connected to a side, facing the housing, of the mounting plate, the other end of the foolproof part extends and protrudes outwardly, the matching portion is configured as a positioning hole, and the foolproof part is inserted into the positioning hole; and/or

one end of the foolproof part is connected to an outer peripheral surface of the plug-in body, the other end of the foolproof part extends and protrudes outwardly along a radial direction of the plug-in body, the matching portion is configured as a notch, and the foolproof part passes through the notch.

5. The electrical connector according to claim 1, wherein the at least one foolproof part, the mounting plate and the plug-in body are integrally formed.

6. The electrical connector according to claim 1, wherein the standard plug-in member is configured as a high-voltage socket, and the matching member is configured as a high-voltage plug; or, the standard plug-in member is configured as a high-voltage plug, and the matching member is configured as a high-voltage socket; the high-voltage socket is fitted with the high-voltage plug; or

the standard plug-in member is configured as a low-voltage socket and the matching member is configured as a low-voltage plug; or, the standard plug-in member is configured as a low-voltage plug and the matching member is configured as a low-voltage socket; the low-voltage socket is fitted with the low-voltage plug.

7. The electrical connector according to claim 1, wherein an outer peripheral surface of the standard plug-in member is provided with at least one guide groove, the guide groove extends along an insertion direction of the matching member, the matching member is provided with at least one guide portion, the guide grooves are in one-to-one correspondence with the guide portions, and the guide portion is configured to slide in the guide groove; or

an outer peripheral surface of the standard plug-in member is provided with at least one guide portion, the guide portion extends along an insertion direction of the matching member, the matching member is provided with at least one guide groove, the guide grooves are in one-to-one correspondence with the guide portions, and the guide portion is configured to slide in the guide groove.