

ELECTRICAL COUPLING UNITABSTRACT

An electrical coupling unit has an electrical connector for push-fit electrical connection in an axial direction of the coupling unit to a mating electrical connector of a receiving unit. The electrical connector and the mating electrical connector have respective engagement
5 formations which permit the push-fit connection only when the electrical connector is in a predetermined rotational alignment about the axial direction with the mating electrical connector. The electrical coupling unit further has a backshell in a fixed rotational relationship with the electrical connector and extending rearwardly therefrom to house, in use, one or more electrical leads extending rearwardly from the electrical connector. The
10 electrical coupling unit further has a coaxial actuation sleeve surrounding the backshell. The actuation sleeve is axially movable to effect the push-fit connection. The backshell and the actuation sleeve are operatively connected such that: movement of the actuation sleeve in a forward axial direction towards the receiving unit is resisted by contact of the electrical connector with the mating electrical connector to produce rotation of the backshell, thereby
15 rotationally aligning the electrical connector with the mating electrical connector and allowing push-fit electrical connection of the electrical connector to the mating electrical connector.

Figure 3