

ABSTRACT

In a heavy-current fuse, a closure (2) of a first electrical connection is electrically conductively connected to a separating plate (6) by means of a fuse which is composed of silver hoops (7), connecting to which separating plate (6) there is an inductor having a winding (8) which surrounds a core, which is in the form of a solid bar (9) composed of ferrite, and electrically conductively connects the separating plate (6) to a closure plate (4) of a second electrical connection. Alternatively, the fuse can be arranged in a space-saving manner in a bushing in the hollow core, and can be connected to the winding via a return path. Paths of an electrical power distribution network can be attached to a low-voltage line via such heavy-current fuses, and then in each case prevent the propagation of radio-frequency signals, which are used for communication between equipment in one path, to other paths.

(Figure 1)