

ABSTRACT

- 5 A fault protection apparatus for an electrical distribution system, in particular a ring main unit comprising: a plurality of feeders, a respective switching device provided in each feeder between a common feeder connection point and a respective feeder terminal; and a respective feeder protection device associated with each feeder. Each feeder protection device comprises a sensor and a feeder protection relay. The feeder protection relay is coupled to the respective switching
- 10 device and is operable by the sensor to operate the respective switching device. A first terminal of each feeder protection relay is connected to the a terminal of the respective sensor, a respective second terminal of at least two feeder protection relays is connected to a common relay connection point, and a respective second terminal of the respective sensors of the at least two feeder protection relays is connected to a common sensor connection point. The apparatus further
- 15 comprises an internal protection relay connected to the common relay protection point and the common sensor protection point. The configuration minimizes the number of sensors required.

Fig 1