

CSFi SURGE POWER FILTER

INSTALLATION GUIDE

INSTALLATION

1. Turn off power before installation.
2. All wiring must be carried out by a qualified electrician to comply with local standards.
3. Install unit to DIN-rail in switchboard or cabinet.
4. Connect wiring - refer to connection diagram. Use a suitably rated cable for power connections and 4mm² stranded or 6mm² solid conductor cable for earth connections.

Keep all wiring short and avoid sharp bends in cables

OPERATION

Two lamps on the front panel indicate the operation status of the unit. The 'POWER OK' lamp indicates that power is applied to the unit and the 'PROTECTION FAULT' lamp indicates reduced protection. If the 'PROTECTION FAULT' lamp is lit it is likely that the unit is damaged and must be replaced. If the breaker/fuse is intact and power is definitely being supplied through the unit (check with meter) but the 'POWER OK' lamp doesn't light then the unit is faulty and must be replaced.

EARTHING

For proper operation, all surge filters rely upon a good earth connection. In some installations, the existing earth system will require upgrading. Important things to look for are:

1. The main earth wire (from earth link on switchboard to ground rod or system) MUST be in accordance with local requirements and must be as short as possible.
2. The resistance to earth of the ground connection must not exceed 3Ω. In some areas (rocky/sandy/hilly ground), a new grounding system may be required.
3. If the ground system is located far from the switchboard, a heavier gauge cable or paralleled cables should be used.
4. All earth and neutral connections from unit to neutral/earth links MUST be 4mm² stranded or 6mm² solid conductor cable.
5. Phase connections should also be of the same gauge as neutral/earth.

Failure to consider the above points can result in improper operation of the CSFi and possible damage to the installation.

WARRANTY

Eaton Power Quality warrants the CSFi against faulty parts and workmanship for a period of 12 months from the date of purchase. If this product fails to operate correctly, please return to your supplier or Eaton Power Quality for replacement. This warranty doesn't cover neglect or intentional misuse. As this product is intended for use in electrically harsh environments no claim is made of suitability for purpose. Please also note that an excessive surge (such as from a direct lightning strike to the building or a building wiring fault) may cause damage to the unit and render it inoperable. A unit that has been damaged in this way is not warrantable.