

## 5.5 Protection against electric shock

**705.410.3.5** The protective measures of obstacles and placing out of reach (Section 417) are not permitted.

**705.410.3.6** The protective measures of non-conducting location (Regulation 418.1) and earth-free local equipotential bonding (Regulation 418.2) are not permitted.

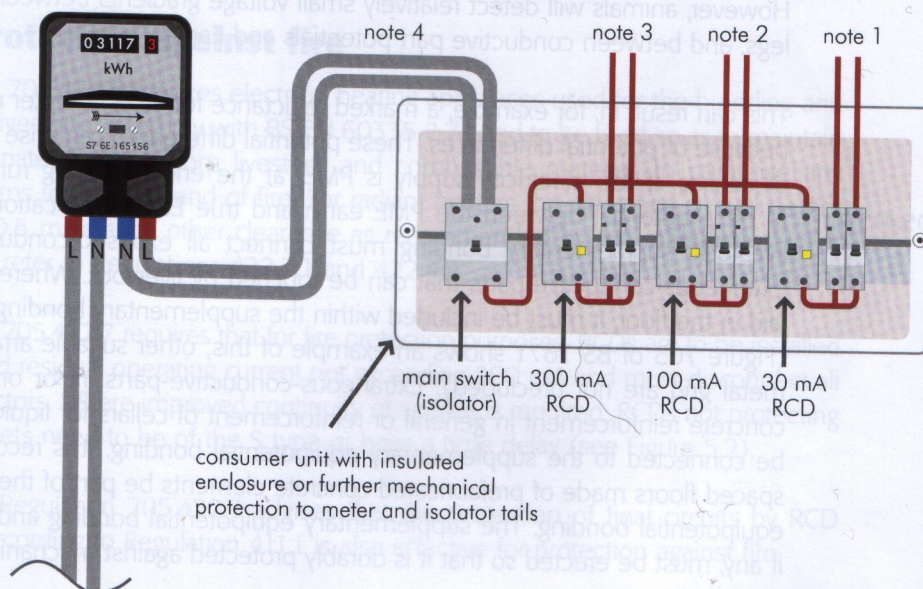
### 5.5.1 Protective measure: automatic disconnection of supply

**705.411.1** RCDs must be provided for automatic disconnection of supply to circuits as follows (see Figure 5.1):

**705.411.1** In circuits, whatever the type of earthing system, the following disconnection devices shall be provided:

- 415.1.1**
- (i) In final circuits supplying socket-outlets with rated current not exceeding 32 A, an RCD having the characteristics specified in Regulation 415.1.1
  - (ii) In final circuits supplying socket-outlets with rated current more than 32 A, an RCD with a rated residual operating current not exceeding 100 mA
  - (iii) In all other circuits, RCDs with a rated residual operating current not exceeding 300 mA.

▼ **Figure 5.1**  
Requirements for RCDs



#### Notes:

- 1 Socket-outlet circuits not exceeding 32 A
- 2 Socket-outlet circuits exceeding 32 A
- 3 Circuits other than socket-outlets
- 4 The risk of faults to exposed-conductive-parts on the supply side of the main switch must be minimised as such faults are not detected by the RCDs.