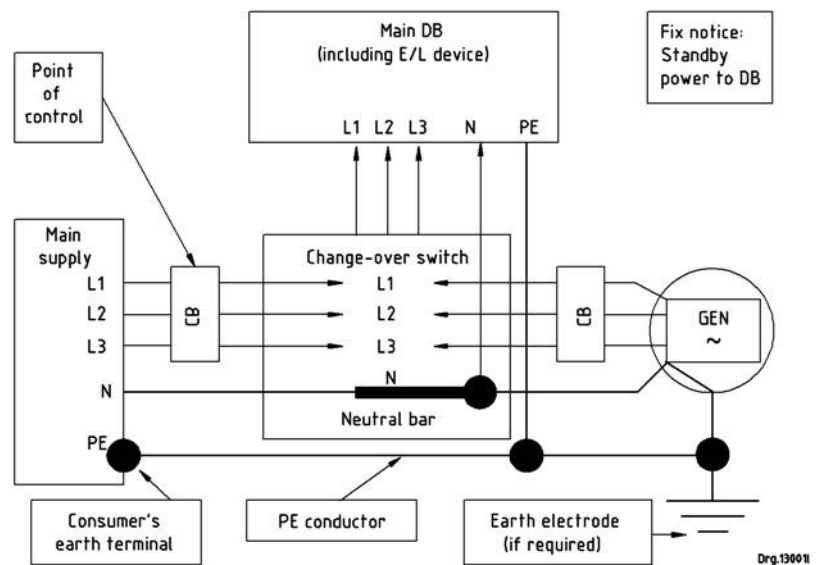**Annex S**   Amdt 1; amdt 3; amdt 6
(informative)

Examples of emergency power installation configuration

S.1 Change-over switch connection where standby power feeds in at main supply

Key

CB	circuit-breaker	E/L	earth leakage
DB	distribution board	GEN	generator

NOTE A three-pole change-over switch may be used where the supply is from a TN system of supply and the standby power is connected at the main supply.

Figure S.1 — Change-over switch connection where standby power feeds in at main supply
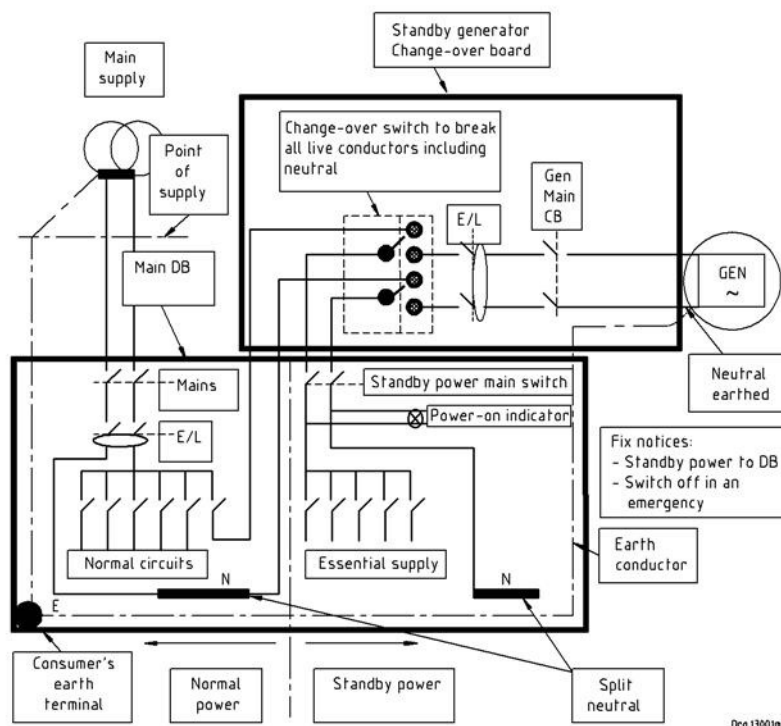
S.2 Change-over switch connection where a standby power generator feeds into a section of the main distribution board

Amdt 6

Key

CB — circuit-breaker
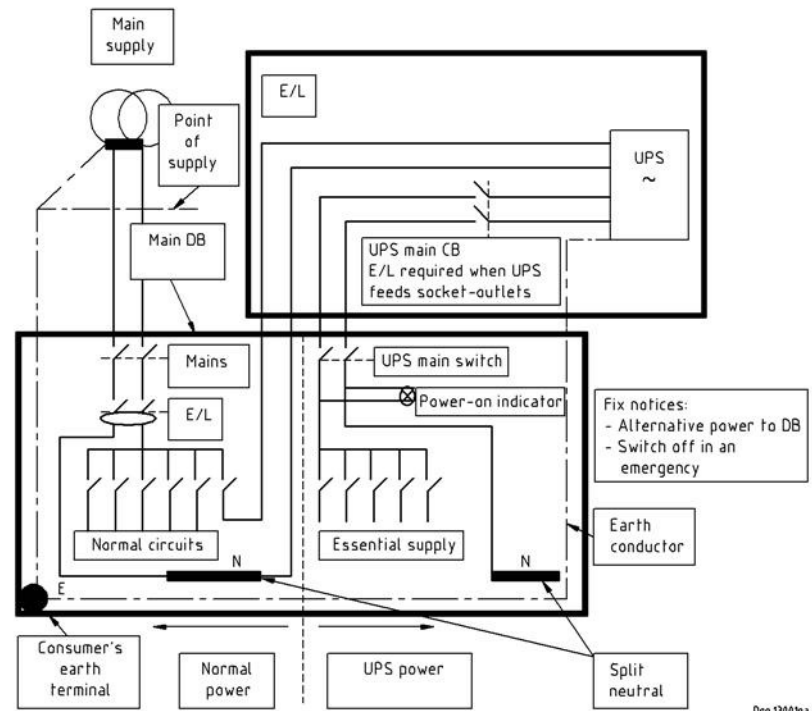DB — distribution board

E/L — earth leakage
GEN — generator

NOTE See the split neutral bars.

The main switch may be an E/L device.

Figure S.2 — Change-over switch connection where a standby power generator feeds into a section of the main distribution board

S.3 Change-over switch connection where UPS power feeds into a section of the main distribution board

Amdt 6

Figure keys shown in diagram:

- Main supply
- Point of supply
- Main DB
- E/L
- UPS ~
- UPS main CB
  E/L required when UPS feeds socket-outlets
- Mains
- E/L
- UPS main switch
- Power-on indicator
- Fix notices:
  - Alternative power to DB
  - Switch off in an emergency
- Normal circuits
- Essential supply
- Earth conductor
- Consumer's earth terminal
- Normal power
- UPS power
- Split neutral

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Key

CB   circuit-breaker
DB   distribution board
E/L   earth leakage
GEN   generator

NOTE See the split neutral bars.

The main switch may be an E/L device.

Figure S.3 — Change-over switch connection where UPS power feeds into a section of the main distribution board
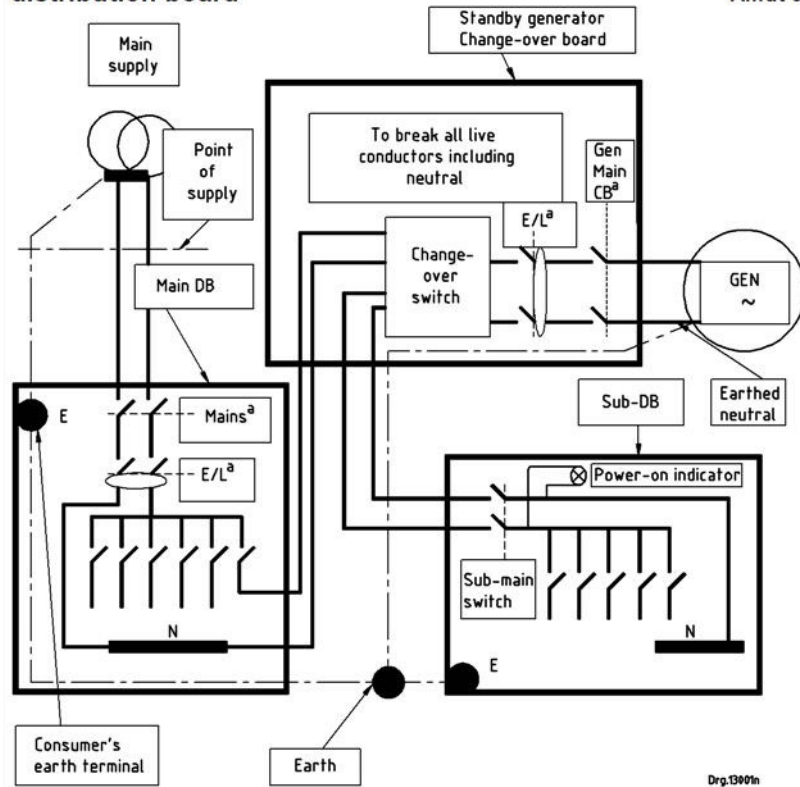
S.4 Change-over switch connection where standby power feeds in after the main distribution board (point of supply) into a sub-distribution board

Amdt 6

[a] The main circuit-breaker may be an earth-leakage device with isolation function.

Figure S.4 — Change-over switch connection where standby power feeds in after the main distribution board (point of supply) into a sub-distribution board