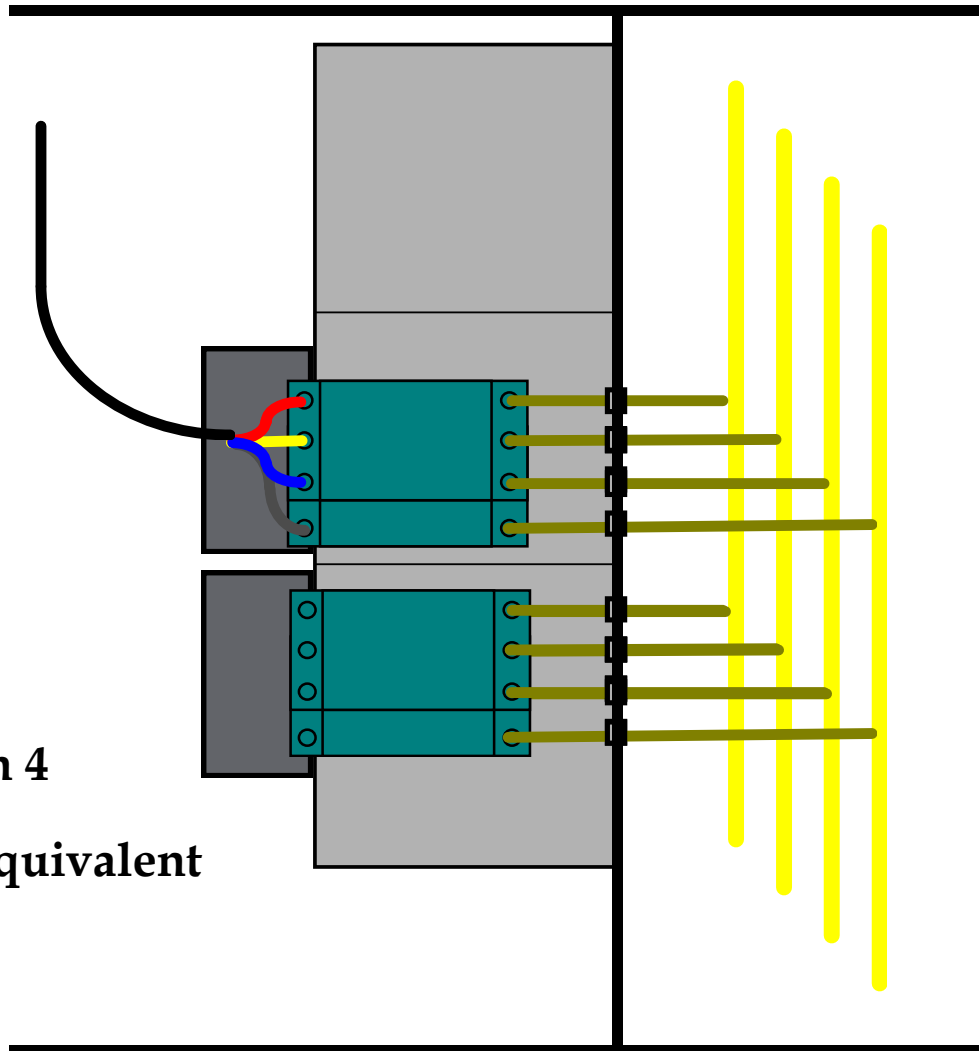


A Comparison between BS EN 61439-2 vs. IEC 61439-2

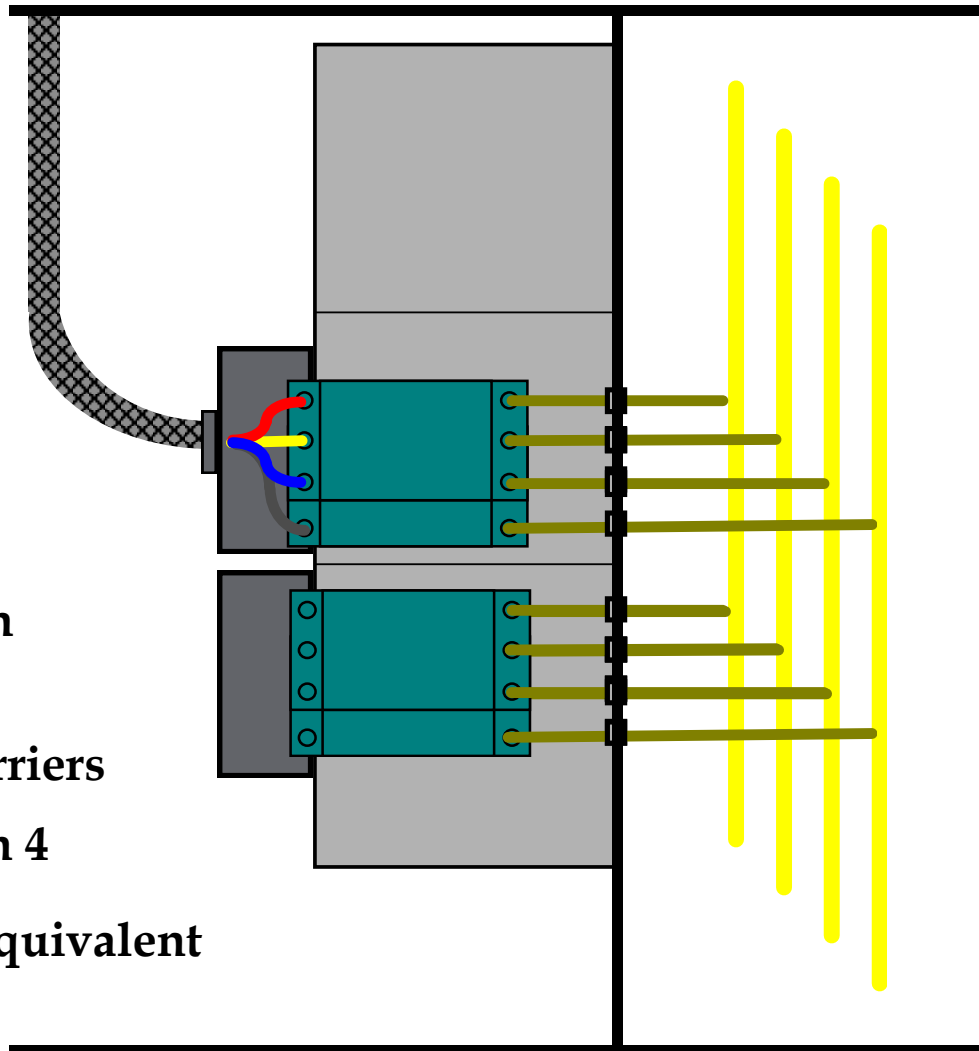
Form 4, type 6

- separation of busbars by rigid barrier
- separation of functional units from each other
- external terminals separated from each other and associated functional units
- all separation by rigid barriers
- BS 5486 equivalent = form 4
- previous EIEMA guide equivalent = form 4 B (but with terminations enclosed by rigid barriers)



Form 4, type 7

- separation of busbars by rigid barrier
- separation of functional units from each other
- external terminals separated from each other and associated functional units
- functional units have own glanding facilities
- all separation by rigid barriers
- BS 5486 equivalent = form 4
- previous EIEMA guide equivalent = form 4 C

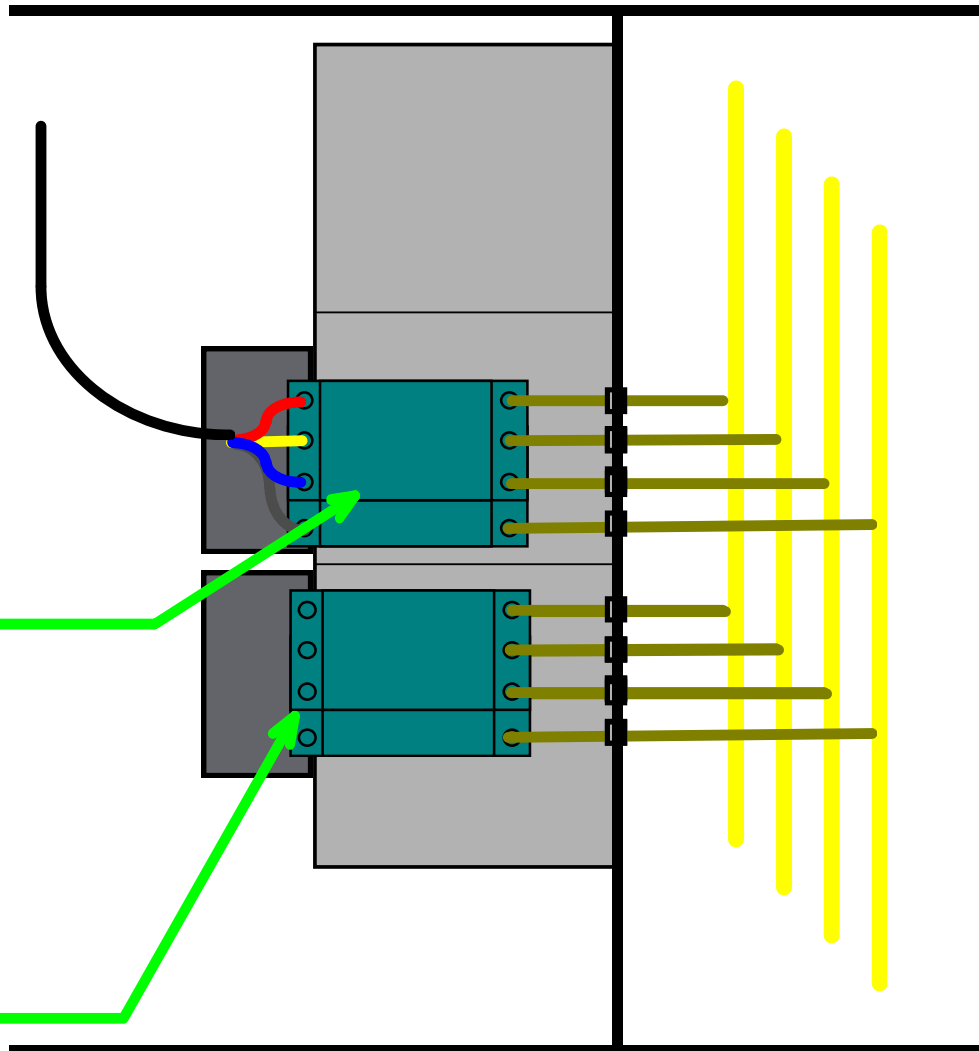


Form 4, type 6

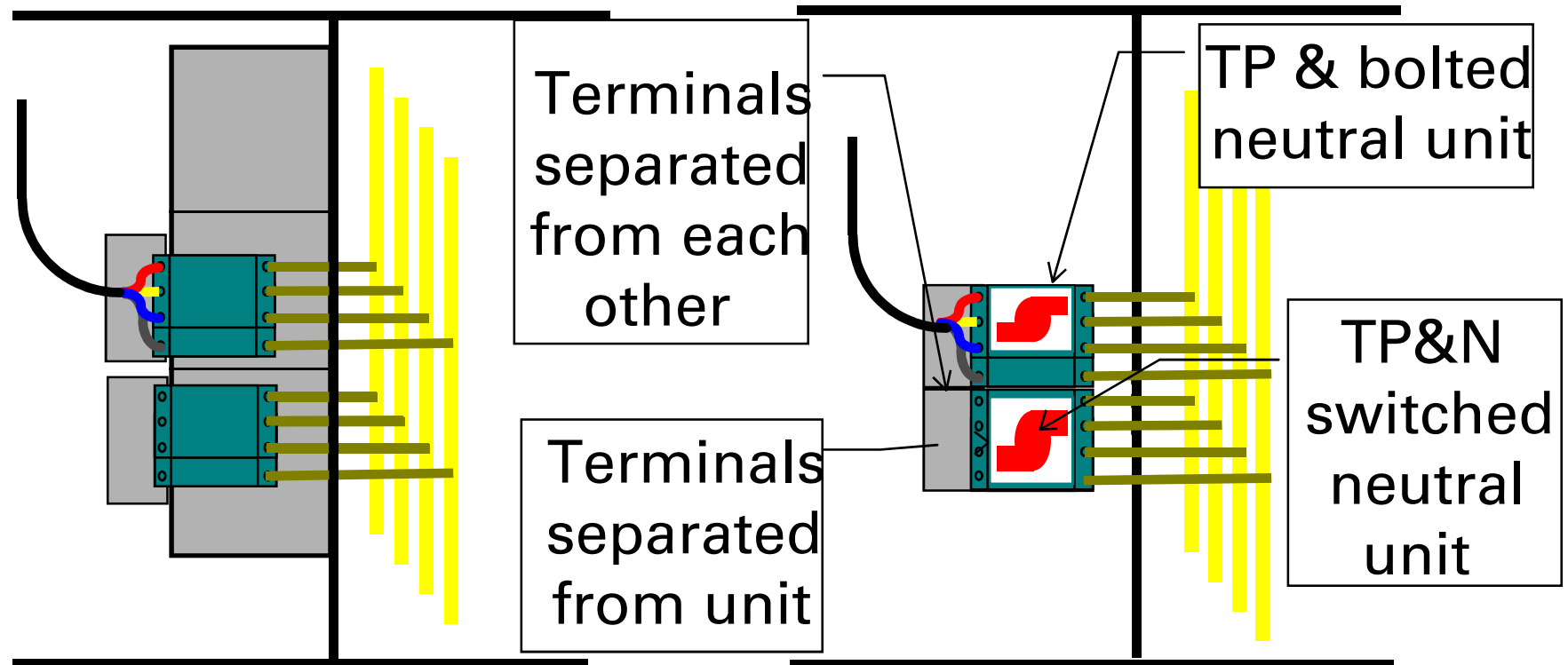
Can work on this device with adjacent devices, busbars, and terminals energised, but with this device de-energised and when a clear boundary is required between functional unit and cabling contractor



Can work on these terminals with adjacent terminals energised - but with device de-energised



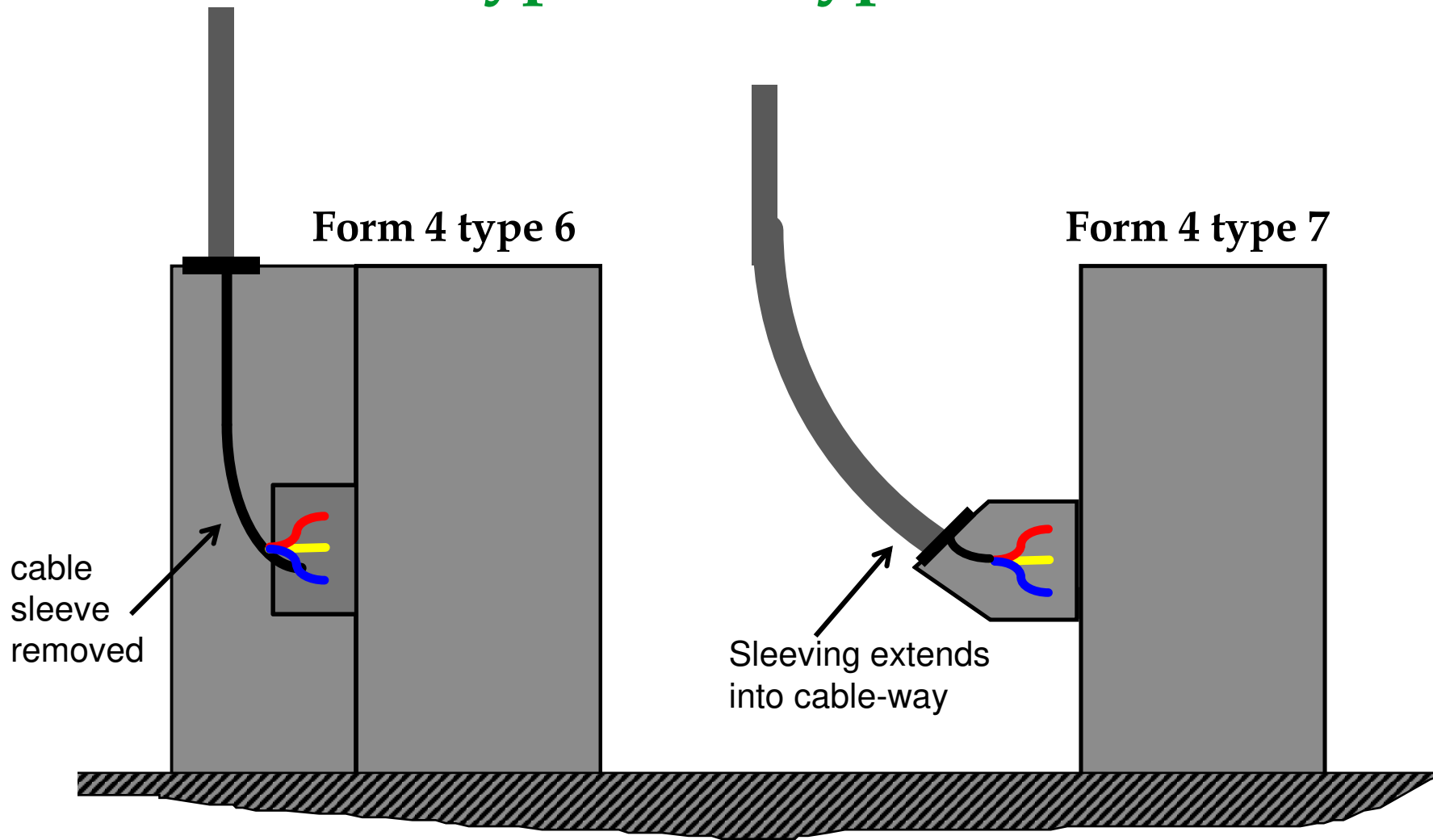
Shrouded breakers = form 4 type 6



NB separate neutral is ESSENTIAL to claim form 4. May be negotiated only if client is clear that the neutral must be earthed before cabling with circuits live, and as 'an agreement between customer and manufacturer'.

Note also that the bolted neutral unit requires access to a potentially live neutral - TP&N is preferred

Type 6 vs. Type 7



Type 6 vs. Type 7



Form 4b Type 6



Form 4b Type 7

Blokset Forms Definition

Forms separations in Blokset

- **Form 1** design is same for both of **IEC 61439-2** and **BS EN 61439-2**
- Blokset design of **Form 2b according to IEC 61439-2** is exactly same as **Form 2b Type 2 according to BS EN 61439-2**
- Blokset design of **Form 3b according to IEC 61439-2** is exactly same as **Form 3b Type 2 according to BS EN 61439-2**
- Blokset design of **Form 4b according to IEC 61439-2** is exactly same as **Form 4b Type 6 according to BS EN 61439-2**
- To achieve the requirement of **Form 4b Type 7**, it is required to ensure the glanding of the cable is terminated individually in a separate box for each functional unit which is not available in Blokset. In Blokset, we use common cable compartment for glanding which is of Type 6. Hence, the existing **Blokset Form 4b** design has to be used and form 4b boxes has to be modified locally to meet the requirement of Type 7. It needs a lot of changes in the existing design.