

**Table 104 – Forms of internal separation**

| Main criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Subcriteria                                                                                                                                                             | Form    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| No internal separation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                         | Form 1  |
| Separation of busbars from all functional units.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Terminals for external conductors not separated from busbars                                                                                                            | Form 2a |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Terminals for external conductors separated from busbars                                                                                                                | Form 2b |
| <ul style="list-style-type: none"> <li>- Separation of busbars from all functional units.</li> <li>- Separation of all functional units from one another.</li> <li>- Separation of terminals for external conductors and the external conductors from the functional units, but not from the terminals of other functional units.</li> </ul>                                                                                                                                                                                                                                                                   | Terminals for external conductors not separated from busbars                                                                                                            | Form 3a |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Terminals for external conductors and external conductors separated from busbars                                                                                        | Form 3b |
| <ul style="list-style-type: none"> <li>- Separation of busbars from all functional units</li> <li>- Separation of all functional units from one another.</li> <li>- Separation of terminals for external conductors associated with a functional unit from the terminals of any other functional unit and the busbars.</li> <li>- Separation of the external conductors from the busbars.</li> <li>- Separation of the external conductors associated with a functional unit from other functional units and their terminals.</li> <li>- External conductors need not be separated from each other.</li> </ul> | Terminals for external conductors in the same compartment as the associated functional unit                                                                             | Form 4a |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Terminals for external conductors not in the same compartment as the associated functional unit, but in individual, separate, enclosed protected spaces or compartments | Form 4b |

## **Annexes**

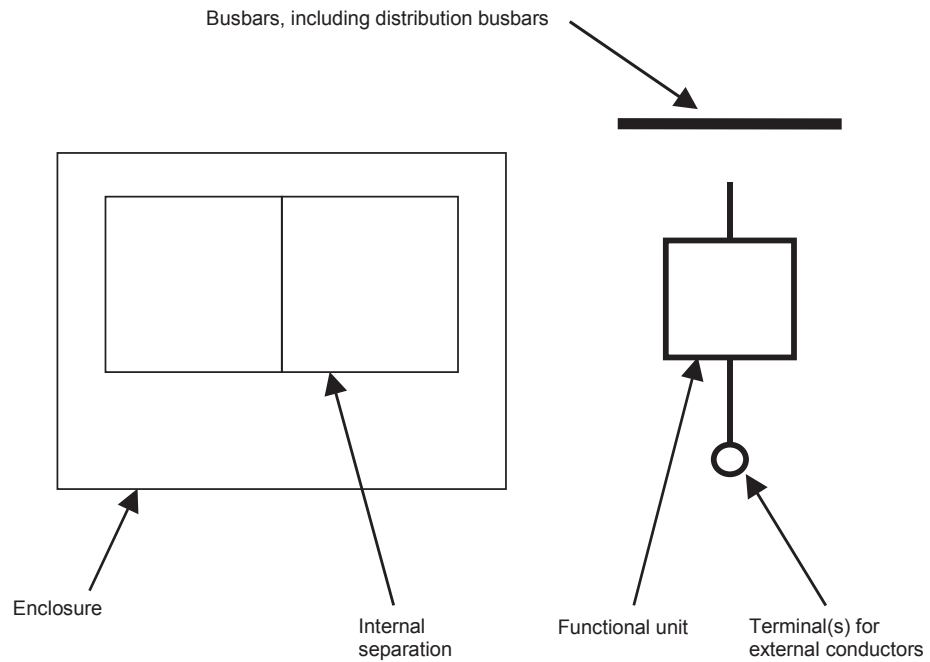
Annexes of Part 1 are applicable except as follows.

Annex C of Part 1 is not applicable.

*Additional annexes:*

## Annex AA (informative)

### Forms of internal separation (see 8.101)

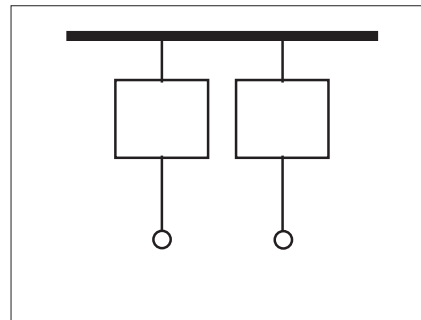


IEC 1711/11

Figure AA.1 – Symbols used in Figures AA.2 and AA.3

## Form 1

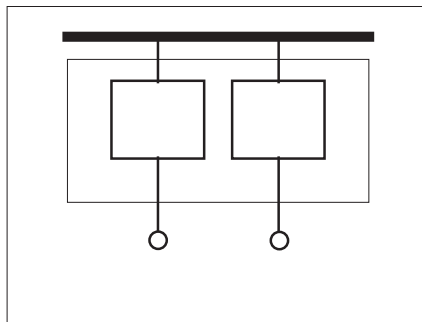
### No internal separation



IEC 1712/11

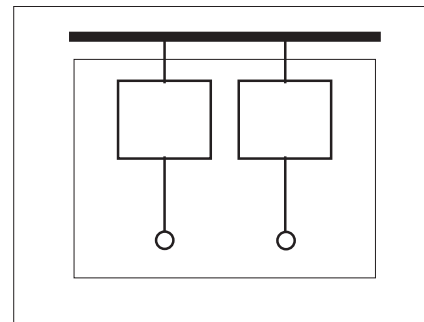
## Form 2

### Separation of busbars from all functional units



Form 2a:  
Terminals not separated from busbars

IEC 1713/11



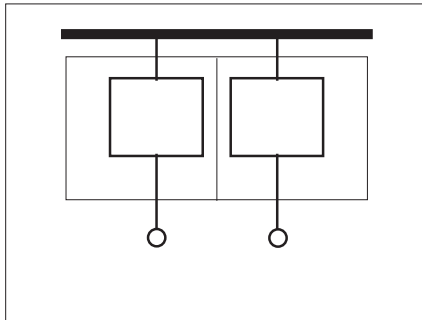
Form 2b:  
Terminals separated from busbars

IEC 1714/11

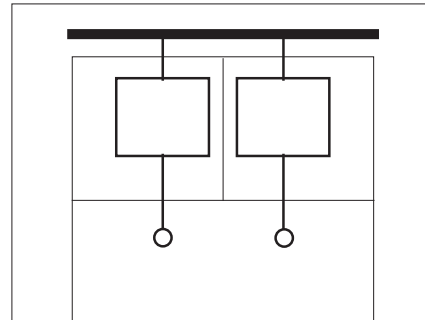
**Figure AA.2 – Forms 1 and 2**

### Form 3

**Separation of busbars from all functional units**  
+  
**Separation of all functional units from one another**  
+  
**Separation of terminals for external conductors and external conductors from the functional units, but not from the terminals of other functional units**



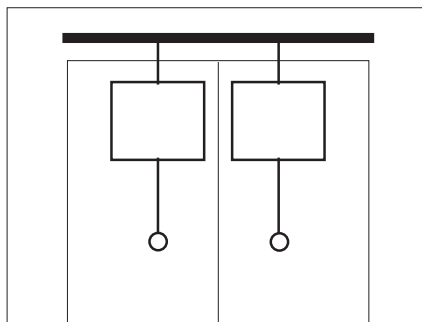
Form 3a:  
Terminals not separated from busbars  
IEC 1715/11



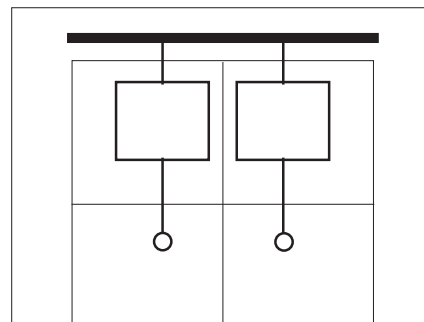
Form 3b:  
Terminals and external conductors separated from busbars  
IEC 1716/11

### Form 4

**Separation of busbars from all functional units**  
+  
**Separation of all functional units from one another**  
+  
**Separation of terminals for external conductors associated with a functional unit from the terminals of any other functional unit and the busbars**  
+  
**Separation of the external conductors from the busbars**  
+  
**Separation of the external conductors associated with a functional unit from other functional units and their terminals**  
+  
**External conductors need not be separated from each other**



Form 4a:  
Terminals in same compartment  
as associated functional unit  
IEC 1717/11



Form 4b:  
Terminals not in same compartment  
as associated functional unit  
IEC 1718/11

**Figure AA.3 – Forms 3 and 4**