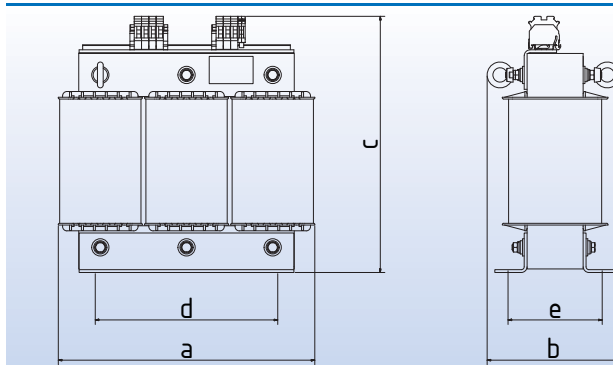
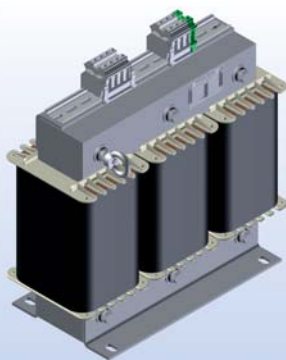




**Three-phase grid transformers according to VDE 0570 part 2-1, EN 61558-2-1,**

**Three-phase isolation transformers according to VDE 0570 part 2-4, EN 61558-2-4**

**Three-phase safety transformers according to VDE 0570 part 2-6, EN 61558-2-6**

**Three-phase autotransformers according to VDE 0570 part 2-13, EN 61558-2-13**



Fig. Upright design with terminal blocks

### General information:

The transformers in the DRUF series meet national and international requirements for worldwide use. They can be delivered upon request with approval as

Grid transformers according to VDE 0570 part 2-1, EN 61558-2-1,

Isolation transformers according to VDE 0570 part 2-4, EN 61558-2-4,

Safety transformers according to VDE 0570 part 2-6, EN 61558-2-6, (sum of all idle secondary voltages: max. 50V)

### Design:

Open frame, stationary, for device installation and assembly in dry rooms, separate windings. Connection to leakage current-resistant transformer terminals with screw fastening. For over 50A leakage current-resistant terminal blocks are mounted on top brackets (note: dimensions b and c are enlarged by this). The terminals are protected against back of hand and finger contact according to accident prevention regulations (BGV A3).

Other designs available upon request (voltages, currents, connections, mounting etc.).

IP 00, insulation class F, ambient temperature 40°C (ta40°C/F).

All types are also available as 3-phase transformers (for calculation please see 'Transformers with auto-transformer windings' in the section containing general information).

| Type       | Power VA | $\eta \approx \%$ | Core        | Item no.      | Copper kg | Total kg | Dimensions approx. in mm |     |     |     |     | Mounting |
|------------|----------|-------------------|-------------|---------------|-----------|----------|--------------------------|-----|-----|-----|-----|----------|
|            |          |                   |             |               |           |          | a                        | b   | c   | d   | e   |          |
| DRUF 6000  | 6000     | 95,2              | 3UI 150/77  | 0310-00006000 | 12,6      | 41,1     | 300                      | 165 | 260 | 224 | 120 | M8       |
| DRUF 7500  | 7500     | 95,4              | 3UI 150/92  | 0310-00007500 | 15,6      | 49,6     | 300                      | 180 | 260 | 224 | 134 | M8       |
| DRUF 8000  | 8000     | 95,6              | 3UI 168/75  | 0310-00008000 | 16,4      | 51,3     | 336                      | 150 | 290 | 248 | 127 | M8       |
| DRUF 9600  | 9600     | 95,8              | 3UI 168/92  | 0310-00009600 | 20,2      | 62,5     | 336                      | 170 | 290 | 248 | 144 | M8       |
| DRUF 10000 | 10000    | 95,9              | 3UI 180/78  | 0310-00010000 | 20,5      | 62,0     | 360                      | 180 | 310 | 264 | 140 | M8       |
| DRUF 12000 | 12000    | 96,3              | 3UI 180/93  | 0310-00012000 | 26,6      | 76,0     | 360                      | 195 | 310 | 264 | 155 | M8       |
| DRUF 16000 | 16000    | 96,8              | 3UI 210/73  | 0310-00016000 | 37,7      | 86,0     | 420                      | 180 | 360 | 316 | 143 | M10      |
| DRUF 19000 | 19000    | 96,8              | 3UI 210/88  | 0310-00019000 | 46,8      | 110,0    | 420                      | 195 | 360 | 316 | 158 | M10      |
| DRUF 21500 | 21500    | 97,0              | 3UI 210/103 | 0310-00021500 | 48,6      | 122,0    | 420                      | 210 | 360 | 316 | 173 | M10      |
| DRUF 25000 | 25000    | 97,5              | 3UI 210/133 | 0310-00025000 | 55,6      | 150,0    | 420                      | 240 | 360 | 316 | 203 | M10      |
| DRUF 30000 | 30000    | 98,0              | 3UI 210/133 | 0310-00030000 | 54,8      | 146,0    | 420                      | 240 | 360 | 316 | 203 | M10      |
| DRUF 36000 | 36000    | 97,8              | 3UI 240/110 | 0310-00036000 | 79,4      | 181,0    | 480                      | 240 | 415 | 356 | 184 | M14      |
| DRUF 40000 | 40000    | 97,9              | 3UI 240/140 | 0310-00040000 | 88,9      | 218,0    | 480                      | 270 | 415 | 356 | 214 | M14      |

DRUF 50000-100000: Design with sheet metal strip (like the RDST series), but cost-optimised.

| Type        | Power kVA | Item no.      | Copper kg | Total kg | Dimensions approx. in mm |     |     |       |
|-------------|-----------|---------------|-----------|----------|--------------------------|-----|-----|-------|
|             |           |               |           |          | a                        | b*  | c   | c1    |
| DRUF 50000  | 50        | 0310-00000050 | 94        | 280      | 550                      | 300 | 470 | c+100 |
| DRUF 63000  | 63        | 0310-00000063 | 117       | 330      | 550                      | 320 | 470 | c+100 |
| DRUF 80000  | 80        | 0310-00000080 | 129       | 385      | 650                      | 310 | 570 | c+100 |
| DRUF 100000 | 100       | 0310-00000100 | 147       | 440      | 650                      | 330 | 570 | c+100 |