



Single-phase dual voltage safety transformers



Power: 30 ÷ 3000 VA

Input voltage: 0 230 400 ± 15V VAC

Secondary circuit output voltage: 0 12 and/or 0 24 VAC

Technical data

Duty cycle: continuous

Frequency: 50/60 Hz

Protection rating: IP 00

Terminal block protection rating: IP 20

Ambient temperature: +40°C MAX

Thermal insulation class: B/130°C IEC - F/155°C UL

Protection against direct and indirect contact: class I

Winding material: copper

Standards: EN61558-2-6

Approvals: cURus (insulation systems AB155 UL CSA file number E340840)

ENEC05 - KEMA-KEUR

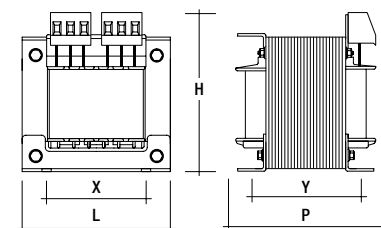
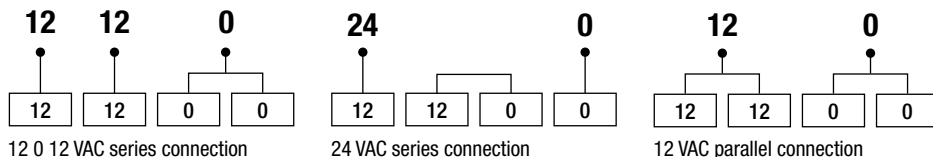


Transformers approved for safety circuits. The insulation between the primary and secondary winding is double and created with the UL CSA certified insulation system.

DUO-S series with dual voltage secondary circuit for use of full power for both voltage values.

Suitable for the majority of electrical installations with a single transformer.

Secondary circuit terminal block connection diagram



| Pri. 230 400 ± 15V Sec. 12 and/or 24 code | Power (VA) | Length L (mm) | Depth P (mm) | Height H (mm) | Fixing | | Weight (Kg) | Losses FE W | Losses CU | Vcc % |
|---|---------------|------------------|-----------------|------------------|--------|-----|----------------|----------------|--------------|----------|
| | | | | | X | Y | | | | |
| DUOS30AB | 30 | 76 | 70 | 85 | 53 | 49 | 1,3 | 7 | 10 | 10,5 |
| DUOS50AB | 50 | 76 | 75 | 85 | 53 | 53 | 1,5 | 8 | 8,6 | 9,5 |
| DUOS63AB | 63 | 85 | 85 | 90 | 60 | 60 | 1,9 | 11,8 | 8,6 | 9 |
| DUOS80AB | 80 | 85 | 90 | 90 | 60 | 65 | 2 | 13 | 8 | 8,3 |
| DUOS10BB | 100 | 85 | 95 | 90 | 60 | 70 | 2,2 | 14 | 7,8 | 8,5 |
| DUOS15BB | 150 | 97 | 90 | 98 | 68 | 72 | 2,8 | 17 | 6 | 6,5 |
| DUOS20BB | 200 | 97 | 100 | 98 | 68 | 87 | 4 | 23 | 5,8 | 5 |
| DUOS25BB | 250 | 120 | 95 | 130 | 80 | 77 | 4,5 | 25 | 6 | 5,5 |
| DUOS30BB | 300 | 120 | 100 | 130 | 80 | 83 | 5,5 | 30 | 6,3 | 5,2 |
| *DUOS40BB | 400 | 120 | 120 | 130 | 80 | 103 | 7,5 | 35 | 4,8 | 5 |
| *DUOS50BB | 500 | 135 | 117 | 140 | 90 | 88 | 8 | 40 | 5,5 | 4,4 |
| *DUOS60BB | 600 | 150 | 110 | 155 | 105 | 80 | 8,5 | 45 | 5 | 4 |
| *DUOS63BB | 630 | 150 | 110 | 155 | 105 | 80 | 8,5 | 45 | 5 | 4 |
| *DUOS70BB | 700 | 150 | 120 | 155 | 105 | 90 | 10 | 48 | 4 | 3,8 |
| *DUOS80BB | 800 | 150 | 130 | 155 | 105 | 100 | 11,5 | 50 | 3,8 | 3,5 |
| *DUOS10CB | 1000 | 150 | 140 | 155 | 105 | 110 | 13 | 58 | 3 | 3,2 |
| *DUOS13CB | 1300 | 180 | 145 | 180 | 128 | 110 | 16 | 85 | 3,1 | 3,8 |
| *DUOS16CB | 1600 | 180 | 155 | 180 | 128 | 120 | 15 | 88 | 3,2 | 4 |

* Transformers without ENEC05 - KEMA-KEUR approval

The data in this catalogue are not binding. We reserve the right to make changes without notice.