

Datasheet

Auto transformers - step up / step down

RS Pro

Auto wound transformers for step-up or step-down of mains voltages at 50/60Hz. Designed according to the following specifications.

WARNING: These components do not provide isolation from the mains.

- Popular voltage tapings 0-115V-220V-230V-240V
- Four hole fixings for permanent installation
- Chassis mount, floor standing or wall mount
- Terminal blocks with protective covers (except 50VA which has cables instead)
- Fully shrouded
- Compact construction
- Full varnish impregnation
- Detailed product specification on permanent label
- 100% electrical and flash tested

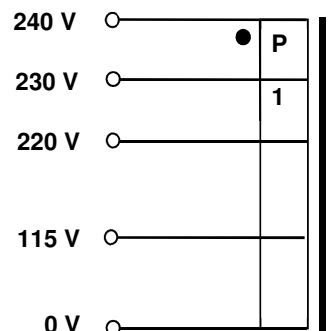


Specifications

Power: 50 – 1000 VA
 Frequency: 50 - 60 Hz
 Input/Output: 0-115-220-230-240 VAC, +/-10%
 Isolation: 2 kV RMS winding to core
 Temp class: B (105°)
 Protection cl.: IP00
 According to: BS/EN 61558-1 and BS/EN 61558-2-13
 AS/NZS 61558.1 and AS/NZS 61558.2.13



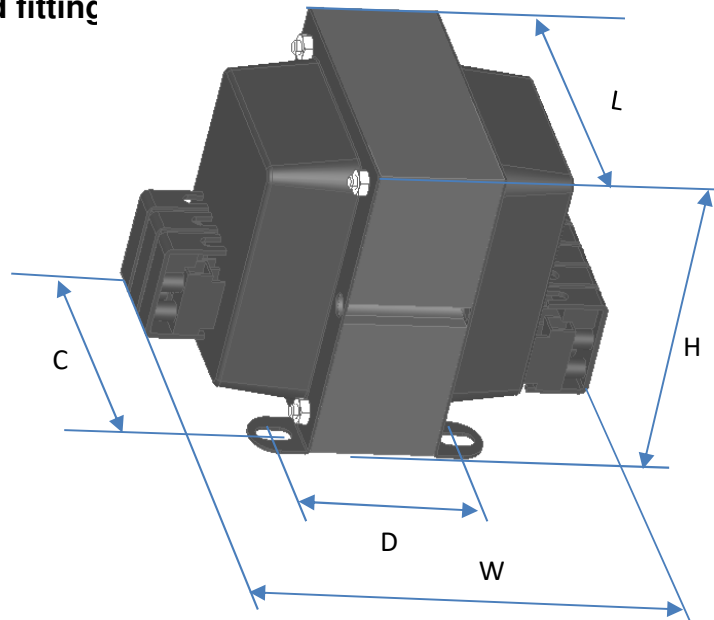
Schematic/connections:



Ordering details:

| RS Stock number | Power VA | Specification | Regulation | According to |
|-----------------|----------|---|------------|--------------|
| 504202 | 50 | Step up/down Auto Transformer, 0-115-220-230-240V | 4.5% | EN61558-2-13 |
| 504183 | 100 | Step up/down Auto Transformer, 0-115-220-230-240V | 3.4% | EN61558-2-13 |
| 504189 | 150 | Step up/down Auto Transformer, 0-115-220-230-240V | 3.1% | EN61558-2-13 |
| 504199 | 250 | Step up/down Auto Transformer, 0-115-220-230-240V | 2.7% | EN61558-2-13 |
| 504195 | 500 | Step up/down Auto Transformer, 0-115-220-230-240V | 1.77% | EN61558-2-13 |
| 504206 | 1000 | Step up/down Auto Transformer, 0-115-220-230-240V | 1.00% | EN61558-2-13 |

Dimensions and fitting



| Power | Overall Size | Fixing | | Weight | Efficiency |
|-------|-----------------|------------|----------------|--------|------------|
| [VA] | L x W x H [mm] | C x D [mm] | Slot size [mm] | [kg] | |
| 50 | 58 x 63 x 76 | 44.5 x 38 | 8 x 3.9 | 0.90 | 92.2% |
| 100 | 65 x 115 x 78 | 48 x 52 | 9 x 4 | 0.1 | 93.4% |
| 150 | 73 x 120 x 89 | 57 x 50.5 | 9.5 x 4.8 | 1.6 | 94.2% |
| 250 | 81 x 136 x 100 | 63.5 x 54 | 11 x 4.8 | 2.6 | 94.7% |
| 500 | 98 X 145 X 118 | 70 x 64 | 12.7 x 6.3 | 4.2 | 95.8% |
| 1000 | 115 x 192 x 137 | 98 x 92 | 12.7 x 7.1 | 8.8 | 96% |

WARNING: These components do not provide isolation from the mains.