

# Datasheet

PCB Transformers – open type – Flame retardant

## RS Pro

The PCB mounting mains Transformers 3VA to 20VA are high quality safety isolating short circuit proof transformers designed for use in general applications. Designed according to the following specifications

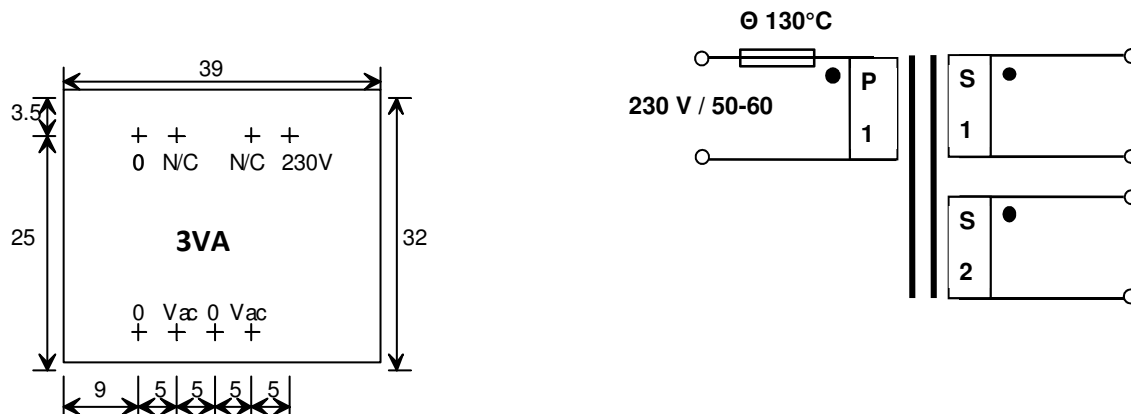
- One short thermal fuse in primary providing overload and short circuit protection
- Flame retardant materials to UL94-V0
- The two independent secondary windings may be connected in series or parallel to give a wide range of output voltage and current options.
- Full varnish impregnation
- Fully shrouded bobbins
- Double section metric bobbin construction
- 100% electrical and flash tested



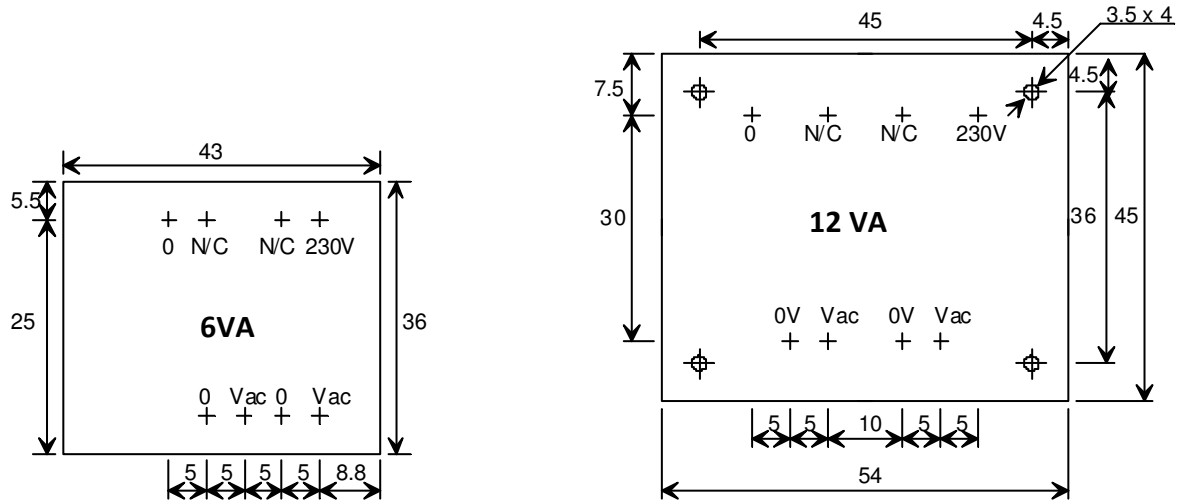
Power: 3 – 20 VA  
 Frequency: 50 / 60 Hz  
 Primary: 230 VAC  
 Secondary: 2 Parallel  
 Isolation: 4 kV RMS  
 Temp class: B (130°C)  
 Protection cl.: IP00  
 According to: EN61558-1 and EN61558-2-6



### Schematic/pin layout:



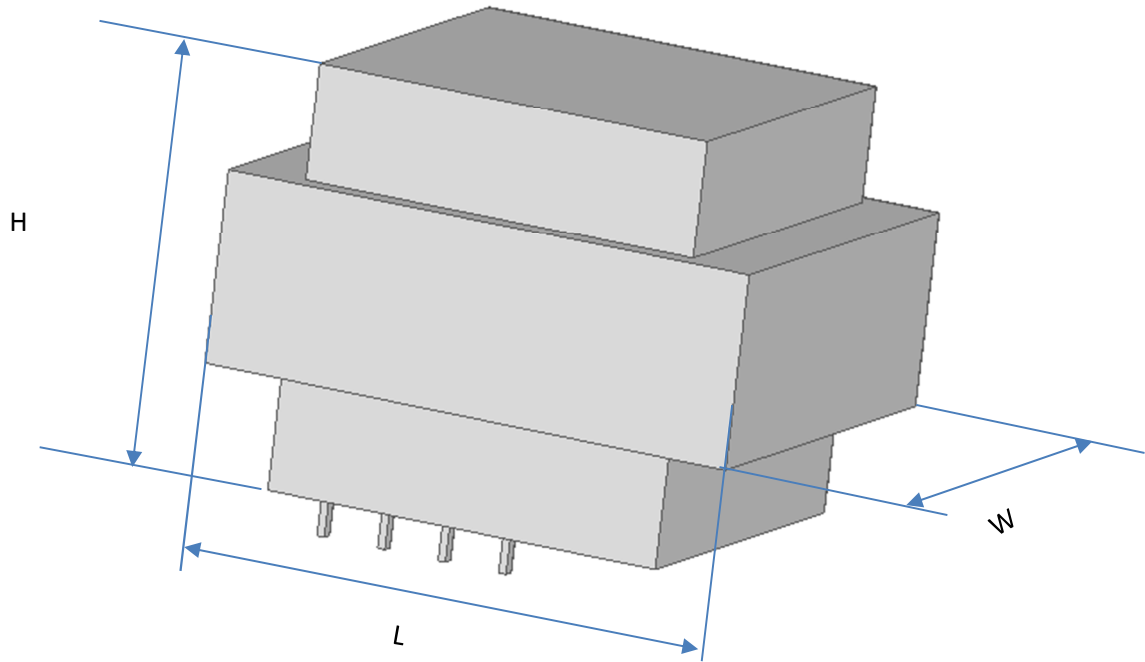
Pin layout:



Ordering details:

RS Stock number	Power VA	Specification	No-load voltage	According to
504458	3	PCB mount Transformer, open type, 230V / 2x6V	7.9 V	EN61558-2-6
504408	3	PCB mount Transformer, open type, 230V / 2x9V	11.6 V	EN61558-2-6
504410	3	PCB mount Transformer, open type, 230V / 2x12V	16.45 V	EN61558-2-6
504404	3	PCB mount Transformer, open type, 230V / 2x15V	20.0 V	EN61558-2-6
504420	6	PCB mount Transformer, open type, 230V / 2x6V	8.2 V	EN61558-2-6
504414	6	PCB mount Transformer, open type, 230V / 2x9V	12.3 V	EN61558-2-6
504707	6	PCB mount Transformer, open type, 230V / 2x12V	16.3 V	EN61558-2-6
504717	6	PCB mount Transformer, open type, 230V / 2x15V	20.4 V	EN61558-2-6
504713	12	PCB mount Transformer, open type, 230V / 2x6V	7.0 V	EN61558-2-6
504723	12	PCB mount Transformer, open type, 230V / 2x9V	10.4 V	EN61558-2-6
504729	12	PCB mount Transformer, open type, 230V / 2x12V	14.0 V	EN61558-2-6
504678	12	PCB mount Transformer, open type, 230V / 2x15V	17.4 V	EN61558-2-6
504701	20	PCB mount Transformer, open type, 230V / 2x6V	7.1 V	EN61558-2-6
504688	20	PCB mount Transformer, open type, 230V / 2x9V	10.6 V	EN61558-2-6
504684	20	PCB mount Transformer, open type, 230V / 2x12V	14.0 V	EN61558-2-6
504763	20	PCB mount Transformer, open type, 230V / 2x15V	17.8 V	EN61558-2-6

**Dimensions and fittings:**



Power	Overall Size	Weight	Efficiency
[VA]	L x W x H [mm]	[kg]	%
3	39x30x35	0.14	>63%
6	43x36x33	0.18	>77%
12	54x41x45	0.4	>82%
15	60x54x42	0.5	>80%