

Switch Mode Power Supplies

Switch mode power supply technology allows the use of small transformers in their design, producing a much lighter power supply compared to their Linear equivalents, allowing easy installation on TS32 or TS35 DIN rail.

Switch mode power supplies also have very high electrical efficiency. As a result they produce little heat. Short circuit (or over current) protection automatically shuts off the unit. The output is monitored and output resumed when the short circuit is cleared.

With wide range AC and DC inputs and bussed outputs, these units offer fast simple installation solutions to many power supply problems.

* Over voltage protection on 120W units only.

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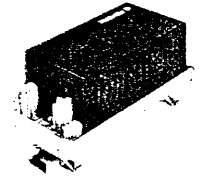
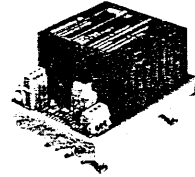
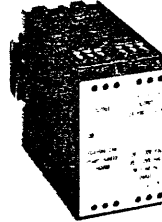
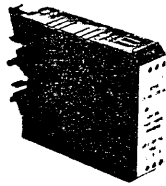
24V d.c. 0.25A
6W Universal supply

24V d.c. 0.5A
12W Universal supply

24V d.c. 1A
24W Universal supply

12V/24V/48V d.c. -
2A/1.5A/0.75A
36W Universal supply

12/24V d.c. - 8A/5A
96W/120W Universal
supply



Technical Data

Electrical

Input Voltage Range	105-300V dc/80-265V ac	120-300V dc/85-265V ac	120-300V dc/85-265V ac	90-300V dc/80-265V ac	95V-300V dc/85-265V ac
Min Input Voltage	105V d.c./80V a.c.	120V d.c./85V a.c.	120V d.c./85V a.c.	90V d.c./80V a.c.	95V d.c./85V a.c.
Max Input Voltage	300V d.c./265V a.c.	300V d.c./265V a.c.	300V d.c./265V a.c.	300V d.c./265V a.c.	300V d.c./265V a.c.
Frequency Range (AC)	50-60Hz	50-60Hz	50-60Hz	50-60Hz	50-60Hz
Fuse Rating	0.25A	0.5A	1A	2A	3A (T)
Input Protection:					
Inrush Current			Thermistor	Thermistor	Thermistor
Overvoltage	Varistor	Varistor	Varistor	Varistor	Varistor
Switching Frequency	100kHz, PWM	100kHz, PWM	100kHz, PWM	130kHz, PWM	50kHz, PWM
Output Voltage	24Vdc	24V dc	24V dc	12V dc 24V dc 48V dc	12V dc 24V dc
Output Voltage Stability:					
Line	1% (85 - 265 Vac input)	0.2% (85 - 265Vac input)	0.2% (85 - 265Vac input)	0.8% (80V - 265Vac input)	0.2% (85 - 265Vac input)
Load	1% (10 - 100% load)	0.6% (10 - 100% load)	0.5% (10 - 100% load)	2% (10 - 100% load)	0.5% (10 - 100% load)
Max. Output Current	0.25A	0.5A	1A	2.0A 2.1A 0.75A	8.0A 5.0A
Ripple	≤0.2%	≤0.1%	≤0.2%	≤0.1%	≤0.2%
Overload Protection	Over current protection plus thermal shutdown	Over current protection plus thermal shutdown	Over current protection plus thermal shutdown	Over current protection plus thermal shutdown	Over current/voltage

Mechanical

Operating Temperature	0 to 50°C	0 to 50°C	0 to 50°C	0 to 50°C	0 to 50°C
Relative Humidity (non condensing)	0 to 95%	0 to 95%	0 to 95%	0 to 95%	0 to 95%
Width	75.5mm	90mm	90mm	91mm	100mm
Rail Length	22.5mm	18mm	105mm	145mm	220mm
Height TS35	106.5mm	102mm	45mm	109mm	110mm
Torque Settings	0.4/3.5 Nm lb.ins.	0.4/3.5 Nm lb.ins.	0.4/3.5 Nm lb.ins.	0.4/3.5 Nm lb.ins.	0.4/3.5 Nm lb.ins.

Approvals/Certification

CSA, VDE, EN55022, CISPR22, IEC 950 (EN60950), IEC801-2, -3, -4, -5 level 3

Ordering Data

Cat. No.

(TS/TS) TS32/35 Mounting

990815	990884	990889	990749 (12V d.c.) 991748 (24V d.c. @ 2.1A) 990747 (48V d.c.)	990900 990937
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Accessories

Mounting Rail	TS32/TS35
End Brackets	EWK2/EW35
Marking	DEKAFIX