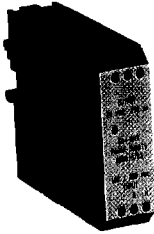
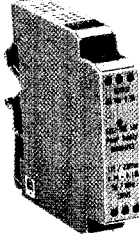
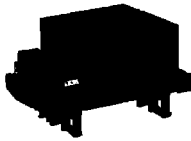
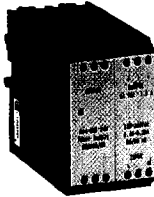


# Power Supplies

## Switchmode

		<b>EG4-SNT 6W</b>	<b>EG12-SNT 12W</b>	<b>RS-SNT 15W</b>	<b>EG4-SNT 24W</b>
		24 VDC 250mA	24 VDC 500mA	5 VDC 3.0 A	24 VDC 1.0 A
					
<b>Ordering Data</b>		<b>Type</b> EG4-SNT	<b>Part No.</b> 990815	<b>Type</b> EG12-SNT	<b>Part No.</b> 990884
		<b>Type</b> RS-SNT	<b>Part No.</b> 990824	<b>Type</b> EG4-SNT	<b>Part No.</b> 990889
<b>Dimensions</b>					
Width / Length / Height	mm	75.5 / 22.5 / 106.5	90 / 18 / 102	145 / 109 / 91	75.5 / 45 / 106.5
	in.	2.97" / 0.89" / 4.19"	3.54" / 0.71" / 4.02"	5.71" / 4.29" / 3.58"	2.97" / 1.77" / 4.19"
<b>Technical Data</b>					
<b>Input Voltage</b>	<b>minimum</b>	<b>85 VAC 105 VDC</b>	<b>85 VAC 120 VDC</b>	<b>85 VAC 95VDC</b>	<b>85 VAC 120VDC</b>
	<b>typical</b>	<b>115/230 VAC, 50/60 Hz</b>	<b>115/230 VAC 50/60 Hz</b>	<b>115/230 VAC 50/60 Hz</b>	<b>115/230 VAC 50/60 Hz</b>
	<b>maximum</b>	<b>250 VAC, 300VDC</b>	<b>265 VAC, 300VDC</b>	<b>265 VAC, 300VDC</b>	<b>265 VAC, 300VDC</b>
Input Voltage/Current (average values for reference only)	@ 115 VAC	130 mA RMS ±20%	260 mA RMS ±20%	380 mA RMS ±20%	460 mA RMS ±20%
	@ 230 VAC	80 mA RMS ±20%	180 mA RMS ±20%	200 mA RMS ±20%	250 mA RMS ±20%
	@ 125 VDC	70 mA ±20%	125 mA ±20%	190 mA ±20%	235 mA ±20%
	@ 250 VDC	50 mA ±20%	65 mA ±20%	100 mA ±20%	120 mA ±20%
	@ 24 VDC				
Input Protection	in-rush current			Thermistor	Thermistor
	overvoltage	Varistor	Varistor	Varistor	Varistor
Switching Frequency		100 kHz PWM	100 kHz PWM	130 kHz PWM	100 kHz PWM
Efficiency	@ maximum load	70%	80%	78%	78%
Maximum Ripple		0.1% RMS	0.1% RMS	0.1% RMS	0.2% RMS
Regulation	load (10 - 100% load)	1%	0.6%	<1%	0.5%
	85 VAC to 265 VAC line	1%	0.2%	<0.8%	0.2%
Overload Protection		Overcurrent shutdown with automatic restart plus thermal shutdown	Overcurrent shutdown with automatic restart plus thermal shutdown	Overcurrent shutdown with automatic restart plus thermal shutdown	Overcurrent shutdown with automatic restart plus thermal shutdown
Maximum Load Capacitance on Output		< 4,000 µF	< 8,000 µF	< 1,000 µF	< 8,000 µF
Storage temperature		-40°C...+85°C	-40°C...+85°C	-40°C...+85°C	-40°C...+85°C
Operating temperature		0°C...+50°C	0°C...+50°C	0°C...+50°C	0°C...+50°C
<b>Output</b>	<b>voltage</b>	<b>24 VDC</b>	<b>24 VDC</b>	<b>5 VDC</b>	<b>24 VDC</b>
	<b>current</b>	250 mA	500mA	3.0 A	1.0 A
<b>Approvals / Certifications</b>		CSA pending	CSA EN55022 class B/CISPR22 class B CE mark	Pending: EN55022 class B/CISPR22 class B IEC 801-2, 3, 4, 5 level 3 CSA CE mark	CSA EN55022 class B/CISPR22 class B IEC 801-2, 3, 4, 5 level 3 CE mark

**RS-SNT 36W**

12 VDC 2.0 A  
24 VDC 1.5 A  
48 VDC 0.75 A



**RS-SNT 96W**

12 VDC 8 A

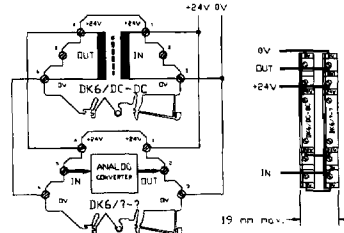


**RS-SNT 120W**

24 VDC 5.0 A



**DK6 DC/DC**



In general, isolated analog converters require two isolated power supplies: one for the input and one for the output. In cases where one power supply is available, the DK6 DC/DC converter can be used to generate another isolated power supply.

The diagram above shows the DK6 DC/DC converter generating the isolated power required to drive the input side of the analog converter. To facilitate the connections a special can be ordered.

Removing the end plate between the DK6 DC/DC and the analog converter allows a 2 pole 8mm jumper comb to be inserted. The catalog number is 46110.

Type	Part No.	Type	Part No.	Type	Part No.	Type	Part No.
RS-SNT		RS-SNT	990900	RS-SNT	990937	DK6 DC/DC	C9042846
12 VDC / 2.0 A	990749						
24 VDC / 1.5 A	990748						
48 VDC / 0.75 A	990747						
145 / 109 / 91		219 / 109 / 98		219 / 109 / 98		89 / 10 / 71	
5.71" / 4.29" / 3.58"		8.65" / 4.29" / 3.58"		8.65" / 4.29" / 3.58"		3.50" / 0.39" / 2.80"	
<b>80 VAC 95VDC</b>		<b>85 VAC 120VDC</b>		<b>85 VAC 120VDC</b>			
115/230 VAC 50/60 Hz		115/230 VAC 50/60 Hz		115/230 VAC 50/60 Hz		24 VDC ±10%	
265 VAC, 300VDC		265 VAC, 300VDC		265 VAC, 300VDC			
850 mA RMS ±20%		1400 mA RMS ±20%		1600 mA RMS ±20%			
450 mA RMS ±20%		750 mA RMS ±20%		930 mA RMS ±20%			
400 mA ±20%		1000 mA ±20%		1200 mA ±20%			
220 mA ±20%		550 mA ±20%		680 mA ±20%			
						14.5 mA ±20% (no load)	
Thermistor		Thermistor		Thermistor			
Varistor		Varistor		Varistor			
130 kHz PWM		58 kHz		58 kHz		170 kHz	
78%		75%		75%		75%	
0.1% RMS		0.2% RMS		0.2% RMS		0.2% RMS	
<1%		1%		1%		1%	
<0.8%		0.2%		0.2%		0.2%	
Overcurrent shutdown with automatic restart plus thermal shutdown		Overcurrent shutdown with automatic restart and output overvoltage protection**		Overcurrent shutdown with automatic restart and output overvoltage protection**		Overcurrent shutdown with automatic restart and output overvoltage protection**	
< 1,000 µF		< 6,000 µF		< 6,000 µF		< 1,000 µF	
-40°C...+85°C		-40°C...+85°C		-40°C...+85°C		-40°C...+85°C	
0°C...+50°C		0°C...+50°C		0°C...+50°C		0°C...+50°C	
<b>12 VDC</b>	<b>24 VDC</b>	<b>48 VDC</b>	<b>12 VDC</b>	<b>24 VDC</b>	<b>24 VDC</b>		
2.0A	1.5 A	0.75 A	8.0A	5.0 A	2.5 mA		
CSA NRTL (UL, VDE, IEC950) EN55022 class B/CISPR22 class B IEC 801-2, 3, 4, 5 level 3 CE mark		Pending: EN55022 class A/CISPR 22 IEC 801-2, 3, 4, 5 level 3 CSA CE mark		Pending: EN55022 class A/CISPR 22 class A IEC 801-2, 3, 4, 5 level 3 CSA CE mark			

\* This unit uses forced air ventilation. An internal fan is located on the top cover.  
Fan noise: 26 dB  
Airflow: 14 CFM

\*\* The overvoltage protection circuitry switches the unit OFF, if there is an overvoltage at the output of the power supply. To restart the power supply input power must be removed and re-applied.