

**WNT12-  
SNT12-  
SNT61-**



**SWITCHING POWER SUPPLY UNITS  
AND WIDE-RANGE SWITCHING POWER  
SUPPLY UNITS - WITH LOW STANDBY  
CONSUMPTION AND HIGH EFFICIENCY.**

# Switching power supply units and wide-range switching power supply units

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-	+
SEC (+/-) 24V DC / 0,5A	
PRI (L/N) 88-264V / 50-60Hz	
N	L

## WNT12-12V DC-12W/1A AND WNT12-24V DC-12W/0,5A



**Wide-range switching power supply unit. Rated capacity 12 W. Standby loss 0.2 watt only.**

Modular devices for DIN 60715 TH35 rail mounting.

1 module = 18 mm wide, 58 mm deep.

At a load of more than 50% of the rated capacity and always if there are adjacent switching power supply units from 12 W rated capacity and if there are dimmers a ventilation clearance of 1/2 module must be maintained with the spacers DS12 on both sides.

Wide-range input voltage 88-264 V AC (110 V -20% up to 240 V +10%).

Efficiency 12 V DC 83%, 24 V DC 86%. Stabilised output voltage  $\pm 1\%$ , low residual ripple. Short-circuit proof.

Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function).

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<b>WNT12-12V DC-12W/1A</b>	Wide-range switching power supply unit	EAN 4010312901748	<b>61,10 €/pc.</b>
<b>WNT12-24V DC-12W/0,5A</b>	Wide-range switching power supply unit	EAN 4010312901755	<b>61,10 €/pc.</b>



-	+
SEC (+/-) 24V DC / 1A	
PRI (L/N) 88-264V / 50-60Hz	
N	L

## WNT12-12V DC-24W/2A AND WNT12-24V DC-24W/1A



**Wide-range switching power supply unit. Rated capacity 48 W. Standby loss 0.4 watt only.**

Modular devices for DIN 60715 TH35 rail mounting.

4 modules = 72 mm wide, 58 mm deep.

At a load of more than 50% of the rated capacity and always if there are adjacent switching power supply units from 12 W rated capacity and if there are dimmers a ventilation clearance of 1/2 module must be maintained with the spacers DS12 on both sides.

Wide-range input voltage 88-264 V AC (110 V -20% up to 240 V +10%).

Efficiency 87%. Stabilised output voltage  $\pm 1\%$ , low residual ripple. Short-circuit proof.

Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function).

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<b>WNT12-12V DC-24W/2A</b>	Wide-range switching power supply unit	EAN 4010312300077	<b>67,90 €/pc.</b>
<b>WNT12-24V DC-24W/1A</b>	Wide-range switching power supply unit	EAN 4010312300084	<b>67,90 €/pc.</b>



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## WNT12-24V DC-48W/2A



**Wide-range switching power supply unit. Rated capacity 48 W. Standby loss 0.4 watt only.**

Modular devices for DIN 60715 TH35 rail mounting.

4 modules = 72 mm wide, 58 mm deep.

At a load of more than 50% of the rated capacity and always if there are adjacent switching power supply units from 12 W rated capacity and if there are dimmers a ventilation clearance of 1/2 module must be maintained with the spacers DS12 on both sides.

Wide-range input voltage 88-264 V AC (110 V -20% up to 240 V +10%).

Efficiency 87%. Stabilised output voltage  $\pm 1\%$ , low residual ripple. Short-circuit proof.

Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function).

<b>WNT12-24V DC-48W/2A</b>	Wide-range switching power supply unit	EAN 4010312300114	<b>103,60 €/pc.</b>
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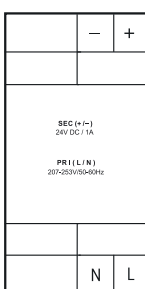
## SNT12-230V/12V DC-1A AND SNT12-230V/24V DC-0,5A



**Switching power supply unit. Rated capacity 12 W. Standby loss 0.2 watt only.**

Modular devices for DIN 60715 TH35 rail mounting. 1 module = 18 mm wide, 58 mm deep.  
At a load of more than 50% of the rated capacity and always if there are adjacent switching power supply units from 12 W rated capacity and if there are dimmers a ventilation clearance of 1/2 module must be maintained with the spacers DS12 on both sides.  
Input voltage 230 V (-20% up to +10%).  
Efficiency 12 V DC 83%, 24 V DC 86%.  
Stabilised output voltage  $\pm 1\%$ , low residual ripple.  
Short-circuit proof.  
Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function).

<b>SNT12-230V/12V DC-1A</b>	Switching power supply unit	EAN 4010312301111	<b>49,20 €/pc.</b>
<b>SNT12-230V/24V DC-0,5A</b>	Switching power supply unit	EAN 4010312301128	<b>49,20 €/pc.</b>



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## SNT12-230V/12V DC-2A AND SNT12-230V/24V DC-1A



**Switching power supply unit. Rated capacity 24 W. Standby loss 0.2 watt only.**

Modular devices for DIN 60715 TH35 rail mounting. 2 modules = 36 mm wide, 58 mm deep.  
At a load of more than 50% of the rated capacity and always if there are adjacent switching power supply units from 12W rated capacity and if there are dimmers a ventilation clearance of 1/2 module must be maintained with the spacers DS12 on both sides.  
Input voltage 230 V (-20% up to +10%).  
Efficiency 12 V DC 83%, 24 V DC 87%.  
Stabilised output voltage  $\pm 1\%$ , low residual ripple.  
Short-circuit proof.  
Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function).

<b>SNT12-230V/12V DC-2A</b>	Switching power supply unit	EAN 4010312301135	<b>61,50 €/pc.</b>
<b>SNT12-230V/24V DC-1A</b>	Switching power supply unit	EAN 4010312301142	<b>61,50 €/pc.</b>



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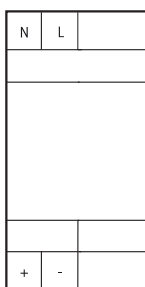
## SNT14-24V/12W



**Switching power supply unit. Rated capacity 12 W. Standby loss 0.2 watt only.**

Modular devices for DIN 60715 TH35 rail mounting. 1 module = 18 mm wide, 58 mm deep.  
 At a load of more than 50% of the rated capacity and always if there are adjacent switching power supply units from 12 W rated capacity and if there are dimmers a ventilation clearance of 1/2 module must be maintained with the spacers DS12 on both sides.  
 Input voltage 230 V (-20% up to +10%).  
 Efficiency 86%.  
 Stabilised output voltage ±1%, low residual ripple.  
 Short-circuit proof.  
 Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function).

<b>SNT14-24V/12W</b>	Switching power supply unit	EAN 4010312314395	<b>37,70 €/pc.</b>
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## SNT14-24V/24W



**Switching power supply unit. Rated capacity 24 W. Standby loss 0.2 watt only.**

Modular devices for DIN 60715 TH35 rail mounting. 2 modules = 36 mm wide, 58 mm deep.  
 At a load of more than 50% of the rated capacity and always if there are adjacent switching power supply units from 12 W rated capacity and if there are dimmers a ventilation clearance of 1/2 module must be maintained with the spacers DS12 on both sides.  
 Input voltage 230 V (-20% up to +10%).  
 Efficiency 87%.  
 Stabilised output voltage ±1%, low residual ripple.  
 Short-circuit proof.  
 Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function).

<b>SNT14-24V/24W</b>	Switching power supply unit	EAN 4010312314401	<b>46,20 €/pc.</b>
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## SNT14-24V/48W



**Switching power supply unit. Rated capacity 48 W. Standby loss 0.4 watt only.**

Modular devices for DIN 60715 TH35 rail mounting.  
 4 modules = 72 mm wide, 58 mm deep.  
 At a load of more than 50% of the rated capacity and always if there are adjacent switching power supply units from 12 W rated capacity and if there are dimmers a ventilation clearance of 1/2 module must be maintained with the spacers DS12 on both sides.  
 Input voltage 230 V (-20% up to +10%).  
 Efficiency 87%. Stabilised output voltage ±1%, low residual ripple. Short-circuit proof.  
 Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function).

<b>SNT14-24V/48W</b>	Switching power supply unit	EAN 4010312314418	<b>79,50 €/pc.</b>
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## SNT61-230V/12V DC-0,5A



**Switching power supply unit. Rated capacity 6 W. Standby loss 0.1 watt only.**

Built-in device for installation. 45 mm long, 45 mm wide, 33 mm deep.

Input voltage 230 V (-20% up to +10%).

Efficiency 81%.

Stabilised output voltage  $\pm 1\%$ , low residual ripple.

Short-circuit proof.

Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function).

<b>SNT61-230V/12V DC-0,5A</b>	Switching power supply unit	EAN 4010312301319	<b>46,40 €/pc.</b>
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## SNT61-230V/24V DC-0,25A



**Switching power supply unit. Rated capacity 6 W. Standby loss 0.1 watt only.**

Built-in device for installation. 45 mm long, 45 mm wide, 33 mm deep.

Input voltage 230 V (-20% up to +10%).

Efficiency 82%.

Stabilised output voltage  $\pm 1\%$ , low residual ripple.

Short-circuit proof.

Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function).

<b>SNT61-230V/24V DC-0,25A</b>	Switching power supply unit	EAN 4010312301326	<b>46,40 €/pc.</b>
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## TECHNICAL DATA

### SWITCHING POWER SUPPLY UNITS AND WIDE-RANGE SWITCHING POWER SUPPLY UNITS

Type	SNT61-230V/ 12V DC-0,5A	SNT61-230V/ 24V DC-0,25A	WNT12-12V DC-12W/1A SNT12-230V/ 12V DC-1A	SNT14- 24V/12W WNT12-24V DC-12W/0,5A SNT12-230V/ 24V DC-0,5A	WNT12-12V DC-24W/2A SNT12-230V/ 12V DC-2A	SNT14- 24V/24W WNT12-24V DC-24W/1A SNT12-230V/ 24V DC-1A	WNT12-24V DC-48W/2A SNT14- 24V/48W
Output wattage	6 W <sup>1)</sup>	6 W <sup>1)</sup>	12 W <sup>2)</sup>	12 W <sup>2)</sup>	24 W <sup>2)</sup>	24 W <sup>2)</sup>	48 W <sup>2)</sup>
Output voltage, tolerance $\pm$	12 V DC, $\pm 1\%$	24 V DC, $\pm 1\%$	12 V DC, $\pm 1\%$	24 V DC, $\pm 1\%$	12 V DC, $\pm 1\%$	24 V DC, $\pm 1\%$	24 V DC, $\pm 1\%$
Output current	0.5 A	0.25 A	1 A	0.5 A	2 A	1 A	2 A
Standby loss	0.1W	0.1W	0.2 W	0.2 W	0.2 W	0.2 W	0.4 W
Residual ripple	100 mV	100 mV	100 mV	100 mV	100 mV	100 mV	100 mV
Class of protection	II	II	II	II	II	II	II
Protection degree	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Starting current <sup>3)</sup>	18A/230 V	18A/230 V	18A/230 V	18A/230 V	18A/230 V	18A/230 V	18 A/230 V
Efficiency	81%	82%	83%	86%	83%	87%	87%
Overload protection short-term	160-200%	160-200%	160-200%	160-200%	160-200%	160-200%	160-200%
Overvoltage protection	140-170%	140-170%	140-170%	140-170%	140-170%	140-170%	140-170%
Short-circuit proof <sup>4)</sup>	yes	yes	yes	yes	yes	yes	yes
Over-temperature protection <sup>4)</sup>	yes	yes	yes	yes	yes	yes	yes
Switchable in parallel, number	-	-	2	2	2	2	-
Size	45x45x33 mm	45x45x33 mm	1 module, 18 mm	1 module, 18 mm	2 modules, 36 mm	2 modules, 36 mm	4 modules, 72 mm
Operating temperature °C	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50

<sup>1)</sup> Even at full load a ventilation clearance is not necessary.

<sup>2)</sup> At a load of more than 50% of the rated capacity and always if there are adjacent switching power supply units from 12 W rated capacity and if there are dimmers a ventilation clearance of 1/2 module must be maintained with the spacers DST2 on both sides.

<sup>3)</sup> If connected on the primary side, 2 ms.

<sup>4)</sup> With autorecovery function after fault clearance.

To comply with DIN VDE 0100-443 and DIN VDE 0100-534, a Type 2 or Type 3 surge protection device (SPD) must be installed.