

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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Wide-range Switching Power Supply Units WNT12

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

min 

88-264V AC



-	+
SEC (+/-) 24V DC/0.5A	
PRI (L/N) 88-264V / 50-60Hz	
N	L

Rated capacity 12W. Standby loss 0.2 watt only.

Modular devices for DIN 60715 TH35 rail mounting.

1 module = 18mm wide, 58mm 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.

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

Efficiency 12V DC 83%, 24V 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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WNT12-12V DC-12W/1A
WNT12-24V DC-12W/0,5A

EAN 4010312901748
EAN 4010312901755

59,90 €/pc.
59,90 €/pc.

Recommended retail prices excluding VAT.

WNT12-12V DC-24W/2A and WNT12-24V DC-24W/1A



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

Rated capacity 24 W. Standby loss 0.2 watt only.

Modular devices for DIN 60715 TH35 rail mounting.

2 modules = 36mm wide, 58mm 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.

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

Efficiency 12V DC 83%, 24V 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).

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

EAN 4010312300077
EAN 4010312300084

66,60 €/pc.
66,60 €/pc.

WNT12-24V DC-48W/2A



Rated capacity 48 W. Standby loss 0.4 watt only.

Modular devices for DIN 60715 TH35 rail mounting.

4 modules = 72mm wide, 58mm 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.

Wide-range input voltage 88-264V AC (110V -20% up to 240V +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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WNT12-24V DC-48W/2A

EAN 4010312300114

101,60 €/pc.

Switching Power Supply Units SNT12

SNT12-230V/12V DC-1A and SNT12-230V/24V DC-0,5A



-	+
SEC (+/-) 24V DC / 0,5A	
PRI (L/N) 207-250V/50-60Hz	
N	L

Rated capacity 12W. Standby loss 0.2 watt only.

Modular devices for DIN 60715 TH35 rail mounting. 1 module = 18mm wide, 58mm 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 230V (-20% up to +10%).

Efficiency 12V DC 83%, 24V 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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SNT12-230V/12V DC-1A
SNT12-230V/24V DC-0,5A

EAN 4010312301111

48,20 €/pc.

EAN 4010312301128

48,20 €/pc.

SNT12-230V/12V DC-2A and SNT12-230V/24V DC-1A



-	+
SEC (+/-) 24V DC / 1A	
PRI (L/N) 207-250V/50-60Hz	
N	L

Rated capacity 24W. Standby loss 0.2 watt only.

Modular devices for DIN 60715 TH35 rail mounting. 2 modules = 36mm wide, 58mm 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 230V (-20% up to +10%).

Efficiency 12V DC 83%, 24V 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).

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

EAN 4010312301135

60,30 €/pc.

EAN 4010312301142

60,30 €/pc.

Recommended retail prices excluding VAT.

SNT14-24V/12W



N	L
+	-

Rated capacity 12W. Standby loss 0.2 watt only.

Modular devices for DIN 60715 TH35 rail mounting. 1 module = 18mm wide, 58mm 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 230V (-20% up to +10%).

Efficiency 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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SNT14-24V/12W

EAN 4010312314395

37,70 €/pc.

SNT14-24V/24W



N	L	
+	-	

Rated capacity 24W. Standby loss 0.2 watt only.

Modular devices for DIN 60715 TH35 rail mounting. 2 modules = 36mm wide, 58mm 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 230V (-20% up to +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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SNT14-24V/24W

EAN 4010312314401

46,20 €/pc.

SNT14-24V/48W



Rated capacity 48W. Standby loss 0.4 watt only.

Modular devices for DIN 60715 TH35 rail mounting.

4 modules = 72mm wide, 58mm 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 230V (-20% up to +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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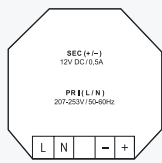
SNT14-24V/48W

EAN 4010312314418

79,50 €/pc.

Switching Power Supply Units SNT61

SNT61-230V/12V DC-0,5A



Rated capacity 6W. Standby loss 0.1 watt only.

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

Input voltage 230V (-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).

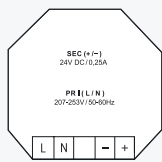
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SNT61-230V/12V DC-0,5A

EAN 4010312301319

45,00 €/pc.

SNT61-230V/24V DC-0,25A



Rated capacity 6W. Standby loss 0.1 watt only.

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

Input voltage 230V (-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).

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SNT61-230V/24V DC-0,25A

EAN 4010312301326

45,00 €/pc.

Recommended retail prices excluding VAT.

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 ¹⁾	6 W ¹⁾	12 W ²⁾	12 W ²⁾	24 W ²⁾	24 W ²⁾	48 W ²⁾
Output voltage, tolerance ±	12V DC, ±1%	24V DC, ±1%	12V DC, ±1%	24V DC, ±1%	12V DC, ±1%	24V DC, ±1%	24V DC, ±1%
Output current	0.5A	0.25A	1A	0.5A	2A	1A	2A
Standby loss	0.1 W	0.1 W	0.2 W	0.2 W	0.2 W	0.2 W	0.4 W
Residual ripple	100mV	100mV	100mV	100mV	100mV	100mV	100mV
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 ³⁾	18A/230V	18A/230V	18A/230V	18A/230V	18A/230V	18A/230V	18A/230V
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 ⁴⁾	yes	yes	yes	yes	yes	yes	yes
Over-temperature protection ⁴⁾	yes	yes	yes	yes	yes	yes	yes
Switchable in parallel, number	–	–	2	2	2	2	–
Size	45x45x33mm	45x45x33mm	1 module, 18mm	1 module, 18mm	2 modules, 36mm	2 modules, 36mm	4 modules, 72mm
Operating temperature °C	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50	-10/+50

¹⁾ Even at full load a ventilation clearance is not necessary.

²⁾ 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.

³⁾ If connected on the primary side, 2ms.

⁴⁾ With autorecovery function after fault clearance.