

## Single-phase switchmode power supply

**connectPower ECOLINE**  
**CP SNT 70W 24V 3A**  
**CP SNT 120W 24V 5A**  
**CP SNT 250W 24V 10A**  
**CP SNT 500W 24V 20A**



- Output voltage 24...28 V DC variable
- Wide range input 85...264 V AC / 120...370 V DC, opt. 250...370 V DC
- LED operation display
- status contact as change-over switch
- TS 35 mounting rails
- Overload response: electronic current limitation
- Power diode module for parallel connection / redundancy
- Harmonic current reduction through PFC
- International approvals for world-wide use
- Silicone free

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### Other countries

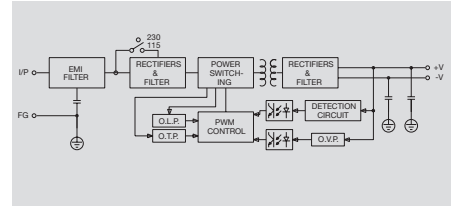
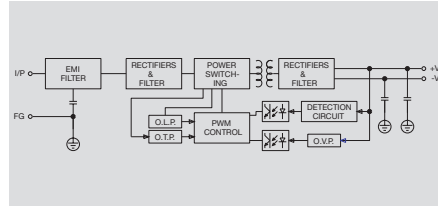
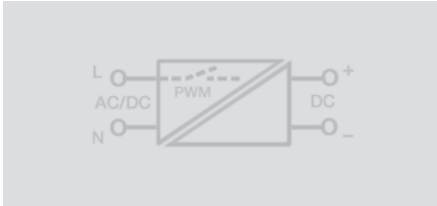
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# Switch-mode power supply

## connect Power 1-phase ECOLINE

## CP SNT 70W 24V 3A

## CP SNT 120W 24V 5A



### Technical data

#### Input

Input voltage  
Input current  
Input frequency  
Mains fuse  
Overvoltage protection

#### Output

Output voltage  
Output current  
max. output power  
max. residual ripple  
Overload protection

Overvoltage protection  
Stored energy time by mains failure: 115 V AC / 230 V AC  
Closed-loop control at 10...100% load  
Possibility of parallel connection  
Melderrelais/Wechslerkontakt

#### Insulation co-ordination

Galvanic isolation output-earth  
Galvanic isolation input-earth  
Galvanic isolation input-output

#### General specifications

Operating temperature / Storage temperature  
Efficiency under max. load  
Status display  
Standards  
EMC standards  
Power factor correction  
Mounting position  
Mounting  
Weight  
Approvals

Clamping area (nominal / min. / max.) mm<sup>2</sup>  
Length x width x height mm

#### Note

### Ordering data

#### Note

### Accessories

#### Note

85...264 V AC; 120...370 V DC  
2.0 A @ 100...240 V AC  
50/60 Hz  
Fusible link 2,5 A (T) / 250 V  
Varistor

24...28 V DC (adjustable via potentiometer)  
3.0 A  
72 W  
100 mVss / bandwidth 20 Mhz  
105%...150% I<sub>const.</sub> of max. output power, automatic restart  
29...34 V  
10 ms / 20 ms  
2 %  
With external diode module  
250 V AC (max. 30 V DC) / 1A

0.5 kV AC  
1.5 kV AC  
3 kV AC

-10 °C...+60 °C / -20 °C...+85 °C

80 %

LED green

EN 60950

EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3

no

Horizontal on mounting rail TS35

Clearance: side ≥ 2 cm; above/below ≥ 10 cm

approx. 0.55 kg

CE (UL= 508 / UL= 60950 in preparation)

#### Screw connection

4 / 0.13 / 4

125.2 x 55.5 x 100.0

88...132 V AC/176...264 V AC reversible; 250...370 V DC  
3.0 A @ 115 V AC; 2.0 A @ 230 V AC  
50/60 Hz  
Fusible link 4 A (T) / 250 V  
Varistor

24...28 V DC (adjustable via potentiometer)  
5 A  
120 W  
100 mVss / bandwidth 20 Mhz  
105%...150% I<sub>const.</sub> of max. output power, automatic restart  
29...34 V  
20 ms / 20 ms  
2 %  
With external diode module  
250 V AC (max. 30 V DC) / 1A

0.5 kV AC  
1.5 kV AC  
3 kV AC

-10 °C...+55 °C / -20 °C...+85 °C

84 %

LED green

EN 60950

EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3

no

Horizontal on mounting rail TS35

Clearance: side ≥ 2 cm; above/below ≥ 10 cm

approx. 0.65 kg

CE (UL= 508 / UL= 60950 in preparation)

#### Screw connection

4 / 0.13 / 4

125.2 x 65.5 x 100.0

Type	Qty.	Order No.
CP SNT 70W 24V 3A	1	8708660000

#### Note

Type	Qty.	Order No.
CP SNT 120 W 24 V 5 A	1	8708670000

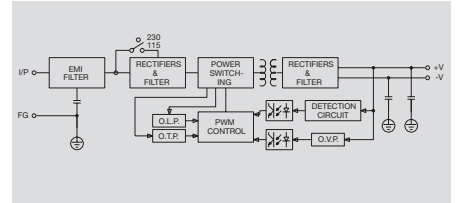
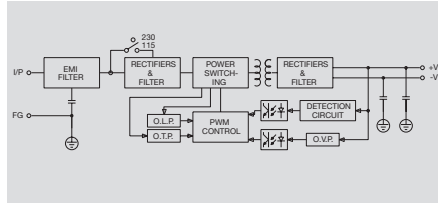
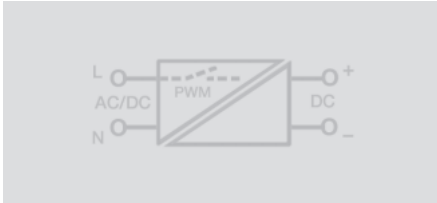
#### Note

# Switch-mode power supply

## connectPower 1-phase ECOLINE

### CP SNT 250W 24V 10A

### CP SNT 500W 24V 20A



### Technical data

#### Input

Input voltage  
Input current  
Input frequency  
Mains fuse  
Overvoltage protection

#### Output

Output voltage  
Output current  
max. output power  
max. residual ripple  
Overload protection  
  
Overvoltage protection  
Stored energy time by mains failure: 115 V AC / 230 V AC  
Closed-loop control at 10...100% load  
Possibility of parallel connection  
Signal relay / change-over contact

#### Insulation co-ordination

Galvanic isolation output-earth  
Galvanic isolation input-earth  
Galvanic isolation input-output

#### General specifications

Operating temperature / Storage temperature  
Efficiency under max. load  
Status display  
Standards  
EMC standards  
Power factor correction  
Mounting position  
Mounting  
Weight  
Approvals

88...132 V AC / 176...264 V AC reversible; 250...370 V DC  
3,6 A @ 115 V AC / 2,0 A @ 230 V AC  
50/60 Hz  
Fusible link 5 A (T) / 250 V  
Varistor

24...28 V DC (adjustable via potentiometer)  
10 A  
240 W  
100 mVss / bandwidth 20 Mhz  
105 %...150 % Iconst. of max. output power, automatic restart  
30...36 V  
10 ms / 15 ms  
2 %  
With external diode module  
250 V AC (max. 30 V DC) / 1A

0,5 kV AC  
1,5 kV AC  
3 kV AC

-10 °C...+55 °C / -20 °C...+85 °C  
84 %  
LED green  
EN 60950  
EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3  
PFC 0.98 @ 115 V AC; 0.95 @ 230 V AC  
Horizontal on mounting rail TS35  
Clearance: side ≥ 2 cm; above/below ≥ 10 cm  
approx. 1.6 kg  
CE (EMC 508 / EMC 60950 in preparation)

#### Screw connection

4 / 0.13 / 4  
125.2 x 125.5 x 100.0

88...132 V AC / 176...264 V AC reversible; 250...370 V DC  
9,0 A @ 115 V AC / 6,0 A @ 230 V AC  
50/60 Hz  
Fusible link 10 A (T) / 250 V  
Varistor

24...28 V DC (adjustable via potentiometer)  
20 A  
480 W  
100 mVss / bandwidth 20 Mhz  
105 %...150 % Iconst. of max. output power, automatic restart  
30...36 V  
10 ms / 15 ms  
2 %  
directly with same type, alternatively with diode module  
250 V AC (max. 30 V DC) / 1A

0,5 kV AC  
1,5 kV AC  
3 kV AC

-10 °C...+55 °C / -20 °C...+85 °C  
86 %  
LED green  
EN 60950  
EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3  
PFC 0.98 @ 115 V AC; 0.95 @ 230 V AC  
Horizontal on mounting rail TS35  
Clearance: side ≥ 2 cm; above/below ≥ 10 cm  
approx. 2 kg  
CE (EMC 508 / EMC 60950 in preparation)

#### Screw connection

4 / 0.13 / 4  
125.2 x 227.5 x 100.0

Clamping area (nominal / min. / max.) mm<sup>2</sup>  
Length x width x height mm

#### Note

### Ordering data

Type	Qty.	Order No.
CP SNT 250W 24V 10A	1	8708680000

Type	Qty.	Order No.
CP SNT 500W 24V 20A	1	8778870000

#### Note

### Accessories

#### Note

